

Flood Control Project Maintenance
2019 Structure Summary Report
Overall Unit and Item Ratings

Lower San Joaquin Levee District

Ash Slough Drop Structure No. 1

Overall Unit Rating	Rated Item	Item Rating
M	Photo Documentation	N
	Vegetation & Obstructions	A
	Shoaling / Sedimentation	A
	Erosion / Bank Caving	M
	Revetments	U
	Encroachments	A
	Culverts: Inlets / Outlets	N
	Culverts: Breaks / Holes / Cracks	N
	Metal Pipes	N
	Trash Racks	N
	Flap Gates	N
	Sluice/Slide Gates	N
	Electric Gate Operators	N
	Manual Gate Operators	N
	Concrete Surfaces	A
	Concrete Tilting / Settlement	A
	Concrete Foundations	M
	Security Fencing	N
	Closure Structures	N
	Trash Rakes	N
	Other Metallic Items	N
	Monolith Joints	A
	Safety	A
	Operation & Maintenance Manual	A

Flood Control Project Maintenance
2019 Structure Summary Report
Overall Unit and Item Ratings

Lower San Joaquin Levee District (cont.)

Ash Slough Drop Structure No. 2

Overall Unit Rating	Rated Item	Item Rating
A	Photo Documentation	N
	Vegetation & Obstructions	A
	Shoaling / Sedimentation	A
	Erosion / Bank Caving	M
	Revetments	A
	Encroachments	A
	Culverts: Inlets / Outlets	N
	Culverts: Breaks / Holes / Cracks	N
	Metal Pipes	N
	Trash Racks	N
	Flap Gates	N
	Sluice/Slide Gates	N
	Electric Gate Operators	N
	Manual Gate Operators	N
	Concrete Surfaces	A
	Concrete Tilting / Settlement	A
	Concrete Foundations	A
	Security Fencing	N
	Closure Structures	N
	Trash Rakes	N
	Other Metallic Items	N
	Monolith Joints	M
	Safety	A
	Operation & Maintenance Manual	A

Flood Control Project Maintenance
2019 Structure Summary Report
Overall Unit and Item Ratings

Lower San Joaquin Levee District (cont.)

Ash Slough Drop Structure No. 3

Overall Unit Rating	Rated Item	Item Rating
A	Photo Documentation	N
	Vegetation & Obstructions	A
	Shoaling / Sedimentation	M
	Erosion / Bank Caving	A
	Revetments	A
	Encroachments	A
	Culverts: Inlets / Outlets	N
	Culverts: Breaks / Holes / Cracks	N
	Metal Pipes	N
	Trash Racks	N
	Flap Gates	N
	Sluice/Slide Gates	N
	Electric Gate Operators	N
	Manual Gate Operators	N
	Concrete Surfaces	A
	Concrete Tilting / Settlement	A
	Concrete Foundations	A
	Security Fencing	N
	Closure Structures	N
	Trash Rakes	N
	Other Metallic Items	N
	Monolith Joints	A
	Safety	A
	Operation & Maintenance Manual	A

Flood Control Project Maintenance
2019 Structure Summary Report
Overall Unit and Item Ratings

Lower San Joaquin Levee District (cont.)

Ash Slough Drop Structure No. 4

Overall Unit Rating	Rated Item	Item Rating
A	Photo Documentation	N
	Vegetation & Obstructions	M
	Shoaling / Sedimentation	A
	Erosion / Bank Caving	A
	Revetments	A
	Encroachments	U
	Culverts: Inlets / Outlets	A
	Culverts: Breaks / Holes / Cracks	A
	Metal Pipes	A
	Trash Racks	N
	Flap Gates	N
	Sluice/Slide Gates	A
	Electric Gate Operators	N
	Manual Gate Operators	A
	Concrete Surfaces	A
	Concrete Tilting / Settlement	A
	Concrete Foundations	A
	Security Fencing	N
	Closure Structures	N
	Trash Rakes	N
	Other Metallic Items	N
	Monolith Joints	M
	Safety	A
	Operation & Maintenance Manual	A

Flood Control Project Maintenance
2019 Structure Summary Report
Overall Unit and Item Ratings

Lower San Joaquin Levee District (cont.)

Bear Creek Diversion Structure

Overall Unit Rating	Rated Item	Item Rating
A	Photo Documentation	N
	Vegetation & Obstructions	A
	Shoaling / Sedimentation	A
	Erosion / Bank Caving	M
	Revetments	M
	Encroachments	A
	Culverts: Inlets / Outlets	A
	Culverts: Breaks / Holes / Cracks	A
	Metal Pipes	N
	Trash Racks	N
	Flap Gates	N
	Sluice/Slide Gates	N
	Electric Gate Operators	A
	Manual Gate Operators	N
	Concrete Surfaces	A
	Concrete Tilting / Settlement	A
	Concrete Foundations	A
	Security Fencing	N
	Closure Structures	N
	Trash Rakes	N
	Other Metallic Items	N
	Monolith Joints	A
	Safety	A
	Operation & Maintenance Manual	A

Flood Control Project Maintenance
2019 Structure Summary Report
Overall Unit and Item Ratings

Lower San Joaquin Levee District (cont.)

Chowchilla Canal Bypass Control Structure

Overall Unit Rating	Rated Item	Item Rating
A	Photo Documentation	N
	Vegetation & Obstructions	A
	Shoaling / Sedimentation	A
	Erosion / Bank Caving	A
	Revetments	A
	Encroachments	A
	Culverts: Inlets / Outlets	A
	Culverts: Breaks / Holes / Cracks	A
	Metal Pipes	N
	Trash Racks	N
	Flap Gates	N
	Sluice/Slide Gates	A
	Electric Gate Operators	A
	Manual Gate Operators	N
	Concrete Surfaces	A
	Concrete Tilting / Settlement	A
	Concrete Foundations	A
	Security Fencing	A
	Closure Structures	N
	Trash Rakes	N
	Other Metallic Items	A
	Monolith Joints	A
	Safety	A
	Operation & Maintenance Manual	A

Flood Control Project Maintenance
2019 Structure Summary Report
Overall Unit and Item Ratings

Lower San Joaquin Levee District (cont.)

Eastside Bypass Control Structure

Overall Unit Rating	Rated Item	Item Rating
A	Photo Documentation	N
	Vegetation & Obstructions	A
	Shoaling / Sedimentation	A
	Erosion / Bank Caving	A
	Revetments	A
	Encroachments	A
	Culverts: Inlets / Outlets	A
	Culverts: Breaks / Holes / Cracks	A
	Metal Pipes	N
	Trash Racks	N
	Flap Gates	N
	Sluice/Slide Gates	A
	Electric Gate Operators	A
	Manual Gate Operators	N
	Concrete Surfaces	A
	Concrete Tilting / Settlement	A
	Concrete Foundations	A
	Security Fencing	A
	Closure Structures	A
	Trash Rakes	N
	Other Metallic Items	A
	Monolith Joints	A
	Safety	A
	Operation & Maintenance Manual	A

Flood Control Project Maintenance
2019 Structure Summary Report
Overall Unit and Item Ratings

Lower San Joaquin Levee District (cont.)

Eastside Bypass Drop Structure No. 1

Overall Unit Rating	Rated Item	Item Rating
A	Photo Documentation	N
	Vegetation & Obstructions	A
	Shoaling / Sedimentation	A
	Erosion / Bank Caving	M
	Revetments	A
	Encroachments	A
	Culverts: Inlets / Outlets	N
	Culverts: Breaks / Holes / Cracks	N
	Metal Pipes	N
	Trash Racks	N
	Flap Gates	N
	Sluice/Slide Gates	N
	Electric Gate Operators	N
	Manual Gate Operators	N
	Concrete Surfaces	A
	Concrete Tilting / Settlement	A
	Concrete Foundations	A
	Security Fencing	N
	Closure Structures	N
	Trash Rakes	N
	Other Metallic Items	N
	Monolith Joints	M
	Safety	A
	Operation & Maintenance Manual	A

Flood Control Project Maintenance
2019 Structure Summary Report
Overall Unit and Item Ratings

Lower San Joaquin Levee District (cont.)

Eastside Bypass Drop Structure No. 2

Overall Unit Rating	Rated Item	Item Rating
A	Photo Documentation	N
	Vegetation & Obstructions	A
	Shoaling / Sedimentation	A
	Erosion / Bank Caving	A
	Revetments	A
	Encroachments	A
	Culverts: Inlets / Outlets	N
	Culverts: Breaks / Holes / Cracks	N
	Metal Pipes	N
	Trash Racks	N
	Flap Gates	N
	Sluice/Slide Gates	N
	Electric Gate Operators	N
	Manual Gate Operators	N
	Concrete Surfaces	M
	Concrete Tilting / Settlement	A
	Concrete Foundations	A
	Security Fencing	N
	Closure Structures	N
	Trash Rakes	N
	Other Metallic Items	N
	Monolith Joints	M
	Safety	A
	Operation & Maintenance Manual	A

Flood Control Project Maintenance
2019 Structure Summary Report
Overall Unit and Item Ratings

Lower San Joaquin Levee District (cont.)

Fresno River Drainage Structure

Overall Unit Rating	Rated Item	Item Rating
A	Photo Documentation	N
	Vegetation & Obstructions	A
	Shoaling / Sedimentation	A
	Erosion / Bank Caving	A
	Revetments	N
	Encroachments	M
	Culverts: Inlets / Outlets	A
	Culverts: Breaks / Holes / Cracks	A
	Metal Pipes	N
	Trash Racks	N
	Flap Gates	A
	Sluice/Slide Gates	A
	Electric Gate Operators	N
	Manual Gate Operators	M
	Concrete Surfaces	A
	Concrete Tilting / Settlement	A
	Concrete Foundations	A
	Security Fencing	N
	Closure Structures	N
	Trash Rakes	N
	Other Metallic Items	A
	Monolith Joints	A
	Safety	A
	Operation & Maintenance Manual	A

Flood Control Project Maintenance
2019 Structure Summary Report
Overall Unit and Item Ratings

Lower San Joaquin Levee District (cont.)

Mariposa Bypass Control Structure

Overall Unit Rating	Rated Item	Item Rating
A	Photo Documentation	N
	Vegetation & Obstructions	A
	Shoaling / Sedimentation	A
	Erosion / Bank Caving	A
	Revetments	A
	Encroachments	A
	Culverts: Inlets / Outlets	A
	Culverts: Breaks / Holes / Cracks	A
	Metal Pipes	N
	Trash Racks	N
	Flap Gates	N
	Sluice/Slide Gates	A
	Electric Gate Operators	A
	Manual Gate Operators	N
	Concrete Surfaces	A
	Concrete Tilting / Settlement	A
	Concrete Foundations	A
	Security Fencing	N
	Closure Structures	N
	Trash Rakes	N
	Other Metallic Items	A
	Monolith Joints	A
	Safety	A
	Operation & Maintenance Manual	A

Flood Control Project Maintenance
2019 Structure Summary Report
Overall Unit and Item Ratings

Lower San Joaquin Levee District (cont.)

Mariposa Bypass Drop Structure

Overall Unit Rating	Rated Item	Item Rating
A	Photo Documentation	N
	Vegetation & Obstructions	A
	Shoaling / Sedimentation	A
	Erosion / Bank Caving	A
	Revetments	A
	Encroachments	A
	Culverts: Inlets / Outlets	N
	Culverts: Breaks / Holes / Cracks	N
	Metal Pipes	N
	Trash Racks	N
	Flap Gates	N
	Sluice/Slide Gates	N
	Electric Gate Operators	N
	Manual Gate Operators	N
	Concrete Surfaces	A
	Concrete Tilting / Settlement	A
	Concrete Foundations	A
	Security Fencing	N
	Closure Structures	N
	Trash Rakes	N
	Other Metallic Items	N
	Monolith Joints	M
	Safety	A
	Operation & Maintenance Manual	A

Flood Control Project Maintenance
2019 Structure Summary Report
Overall Unit and Item Ratings

Lower San Joaquin Levee District (cont.)

Owens Creek Control Structure

Overall Unit Rating	Rated Item	Item Rating
M	Photo Documentation	N
	Vegetation & Obstructions	A
	Shoaling / Sedimentation	A
	Erosion / Bank Caving	M
	Revetments	A
	Encroachments	A
	Culverts: Inlets / Outlets	A
	Culverts: Breaks / Holes / Cracks	A
	Metal Pipes	N
	Trash Racks	N
	Flap Gates	N
	Sluice/Slide Gates	N
	Electric Gate Operators	N
	Manual Gate Operators	N
	Concrete Surfaces	M
	Concrete Tilting / Settlement	M
	Concrete Foundations	A
	Security Fencing	N
	Closure Structures	N
	Trash Rakes	N
	Other Metallic Items	N
	Monolith Joints	A
	Safety	A
	Operation & Maintenance Manual	A

Flood Control Project Maintenance
2019 Structure Summary Report
Overall Unit and Item Ratings

Lower San Joaquin Levee District (cont.)

Owens Creek Overflow Structure

Overall Unit Rating	Rated Item	Item Rating
A	Photo Documentation	N
	Vegetation & Obstructions	A
	Shoaling / Sedimentation	A
	Erosion / Bank Caving	A
	Revetments	A
	Encroachments	A
	Culverts: Inlets / Outlets	A
	Culverts: Breaks / Holes / Cracks	A
	Metal Pipes	N
	Trash Racks	N
	Flap Gates	N
	Sluice/Slide Gates	A
	Electric Gate Operators	N
	Manual Gate Operators	A
	Concrete Surfaces	A
	Concrete Tilting / Settlement	A
	Concrete Foundations	A
	Security Fencing	N
	Closure Structures	N
	Trash Rakes	N
	Other Metallic Items	A
	Monolith Joints	N
	Safety	A
	Operation & Maintenance Manual	A

Flood Control Project Maintenance
2019 Structure Summary Report
Overall Unit and Item Ratings

Lower San Joaquin Levee District (cont.)

San Joaquin River Bypass Control Structure

Overall Unit Rating	Rated Item	Item Rating
A	Photo Documentation	N
	Vegetation & Obstructions	M
	Shoaling / Sedimentation	M
	Erosion / Bank Caving	A
	Revetments	A
	Encroachments	A
	Culverts: Inlets / Outlets	A
	Culverts: Breaks / Holes / Cracks	A
	Metal Pipes	N
	Trash Racks	A
	Flap Gates	N
	Sluice/Slide Gates	A
	Electric Gate Operators	A
	Manual Gate Operators	N
	Concrete Surfaces	A
	Concrete Tilting / Settlement	A
	Concrete Foundations	A
	Security Fencing	A
	Closure Structures	N
	Trash Rakes	N
	Other Metallic Items	A
	Monolith Joints	A
	Safety	A
	Operation & Maintenance Manual	A

Flood Control Project Maintenance
2019 Structure Summary Report
Overall Unit and Item Ratings

Lower San Joaquin Levee District (cont.)

San Joaquin River Structure

Overall Unit Rating	Rated Item	Item Rating
M	Photo Documentation	N
	Vegetation & Obstructions	M
	Shoaling / Sedimentation	U
	Erosion / Bank Caving	A
	Revetments	A
	Encroachments	A
	Culverts: Inlets / Outlets	A
	Culverts: Breaks / Holes / Cracks	A
	Metal Pipes	N
	Trash Racks	N
	Flap Gates	N
	Sluice/Slide Gates	M
	Electric Gate Operators	N
	Manual Gate Operators	A
	Concrete Surfaces	A
	Concrete Tilting / Settlement	A
	Concrete Foundations	A
	Security Fencing	N
	Closure Structures	N
	Trash Rakes	N
	Other Metallic Items	A
	Monolith Joints	A
	Safety	A
	Operation & Maintenance Manual	A

Flood Control Project Maintenance
2019 Structure Summary Report
Overall Unit and Item Ratings

Lower San Joaquin Levee District (cont.)

Sand Slough Structure

Overall Unit Rating	Rated Item	Item Rating
A	Photo Documentation	N
	Vegetation & Obstructions	A
	Shoaling / Sedimentation	A
	Erosion / Bank Caving	A
	Revetments	A
	Encroachments	A
	Culverts: Inlets / Outlets	N
	Culverts: Breaks / Holes / Cracks	N
	Metal Pipes	N
	Trash Racks	N
	Flap Gates	N
	Sluice/Slide Gates	N
	Electric Gate Operators	N
	Manual Gate Operators	N
	Concrete Surfaces	M
	Concrete Tilting / Settlement	A
	Concrete Foundations	A
	Security Fencing	N
	Closure Structures	N
	Trash Rakes	N
	Other Metallic Items	N
	Monolith Joints	N
	Safety	A
	Operation & Maintenance Manual	A

Flood Control Project Maintenance
Unit Cover Sheet
2019 Structure Inspection Results

Lower San Joaquin Levee District

Structure
Ash Slough Drop Structure No. 1

Structure Rating	M
Date of Inspection	7/31/2019
DWR Inspector	Corey Fujitani
Accompanied By	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Ash Slough Drop Structure No. 1		07/31/2019 07/31/2019	Corey Fujitani

LM Start	0.00	Rating **	N	Issue No.	1
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Photo Documentation			37.033952 °	37.033952 °
				-120.441733 °	-120.441733 °
DWR ID	DWR_NA0010_24_t_2012_1				
Action/Comments					

Photo 1 of 3 : ST_2019_NA0010_24_1_20190807_00011.jpg



Overview of downstream side of structure from left bank. (2019)

Photo 2 of 3 : ST_2019_NA0010_24_1_20190807_00012.jpg



View of right wing wall. (2019)

Photo 3 of 3 : ST_2019_NA0010_24_1_20190807_00013.jpg



View of left wing wall. (2019)

LM Start	0.00	Rating **	N	Issue No.	1 (cont)
LM End	0.00	Issue Type +	Ma	Location *	

LM Start	0.00	Rating **	N	Issue No.	1 (cont)
LM End	0.00	Issue Type +	Ma	Location *	

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Ash Slough Drop Structure No. 1		07/31/2019 07/31/2019	Corey Fujitani

LM Start	0.00	Rating **	A	Issue No.	2
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start		End	
Item	Vegetation & Obstructions	37.033952 °		37.033952 °	
		-120.441733 °		-120.441733 °	
DWR ID	DWR_NA0010_24_t_2012_2				
Action/Comments					
Inspector Comments: No vegetation or obstructions that would impede flow.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	3	
LM End	0.00	Issue Type +	Ma	Location *		
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude		
				Start		End
Item	Shoaling / Sedimentation			37.033952 °		37.033952 °
				-120.441733 °		-120.441733 °
DWR ID	DWR_NA0010_24_t_2012_3					
Action/Comments						
Inspector Comments: No sedimentation or shoaling visible.						

No Photos

LM Start	0.00	Rating **	M	Issue No.	4
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start		End	
Item	Erosion / Bank Caving	37.033952 °		37.033952 °	
		-120.441733 °		-120.441733 °	
DWR ID	DWR_NA0010_24_t_2017_4				
Action/Comments					
Inspector Comments: Some minor erosion or animal burrowing was found on the back side of the right wing wall of the structure. Rock along the downstream edge of the structure has been washed away.					

Photo 1 of 3 : ST_2019_NA0010_24_4_20190807_00021.jpg



Erosion at the downstream side of the structure. (2019)

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Ash Slough Drop Structure No. 1		07/31/2019 07/31/2019	Corey Fujitani

LM Start	0.00	Rating **	M	Issue No.	4 (cont)	
LM End	0.00	Issue Type +	Ma	Location *		
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude		
				Start	End	
Item	Erosion / Bank Caving			37.033952 °	37.033952 °	
				-120.441733 °	-120.441733 °	
DWR ID	DWR_NA0010_24_t_2017_4					
Action/Comments						
Inspector Comments: Some minor erosion or animal burrowing was found on the back side of the right wing wall of the structure. Rock along the downstream edge of the structure has been washed away.						

Photo 2 of 3 : ST_2019_NA0010_24_4_20190613_00005.jpg



Minor erosion at right wing wall (2018)

LM Start	0.00	Rating **	M	Issue No.	4 (cont)
LM End	0.00	Issue Type +	Ma	Location *	

Photo 3 of 3 : ST_2019_NA0010_24_4_20190613_00007.jpg



Ash Slough #1 minor erosion at right wingwall. (Summer 2017)

LM Start	0.00	Rating **	U	Issue No.	5
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Revetments			37.033952 °	37.033952 °
				-120.441733 °	-120.441733 °
DWR ID	DWR_NA0010_24_t_2012_5				
Action/Comments					
Inspector Comments: Downstream revetment has been washed away from the structure and should be replaced.					

Photo 1 of 3 : ST_2019_NA0010_24_5_20190807_00017.jpg



Downstream revetment has been washed away. (2019)

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Ash Slough Drop Structure No. 1		07/31/2019 07/31/2019	Corey Fujitani

LM Start	0.00	Rating **	U	Issue No.	5 (cont)	
LM End	0.00	Issue Type +	Ma	Location *		
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude		
				Start		End
Item	Revetments			37.033952 °		37.033952 °
				-120.441733 °		-120.441733 °
DWR ID	DWR_NA0010_24_t_2012_5					
Action/Comments						
Inspector Comments: Downstream revetment has been washed away from the structure and should be replaced.						

Photo 2 of 3 : ST_2019_NA0010_24_5_20190807_00020.jpg



Downstream revetment has been washed away. (2019)

LM Start	0.00	Rating **	U	Issue No.	5 (cont)
LM End	0.00	Issue Type +	Ma	Location *	

Photo 3 of 3 : ST_2019_NA0010_24_5_20190613_00008.jpg



View of downstream revetment that was placed after 2017's inspection (2018)

LM Start	0.00	Rating **	A	Issue No.	6
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.033952 °	37.033952 °
				-120.441733 °	-120.441733 °
DWR ID	DWR_NA0010_24_t_2012_6				
Action/Comments					
Inspector Comments: No visible encroachment.					

No Photos

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Ash Slough Drop Structure No. 1		07/31/2019 07/31/2019	Corey Fujitani

LM Start	0.00	Rating **	N	Issue No.	7	
LM End	0.00	Issue Type +	Ma	Location *		
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude		
				Start		End
Item	Culverts: Inlets / Outlets			37.033952 °	37.033952 °	
				-120.441733 °	-120.441733 °	
DWR ID	DWR_NA0010_24_t_2012_7					
Action/Comments						
Inspector Comments: This item does not exist at this structure.						

No Photos

LM Start	0.00	Rating **	N	Issue No.	8	
LM End	0.00	Issue Type +	Ma	Location *		
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude		
				Start	End	
Item	Culverts: Breaks / Holes / Cracks			37.033952 °	37.033952 °	
				-120.441733 °	-120.441733 °	
DWR ID	DWR_NA0010_24_t_2012_8					
Action/Comments						
Inspector Comments: This item does not exist at this structure.						

No Photos

LM Start	0.00	Rating **	N	Issue No.	9	
LM End	0.00	Issue Type +	Ma	Location *		
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude		
				Start		End
Item	Metal Pipes			37.033952 °	37.033952 °	
				-120.441733 °	-120.441733 °	
DWR ID	DWR_NA0010_24_t_2012_9					
Action/Comments						
Inspector Comments: This item does not exist at this structure.						

No Photos

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Ash Slough Drop Structure No. 1		07/31/2019 07/31/2019	Corey Fujitani

LM Start	0.00	Rating **	N	Issue No.	10
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start		End	
Item	Trash Racks	37.033952 °		37.033952 °	
		-120.441733 °		-120.441733 °	
DWR ID	DWR_NA0010_24_t_2012_10				
Action/Comments					
Inspector Comments: This item does not exist at this structure.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	11
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Flap Gates			37.033952 °	37.033952 °
				-120.441733 °	-120.441733 °
DWR ID	DWR_NA0010_24_t_2012_11				
Action/Comments					
Inspector Comments: This item does not exist at this structure.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	12	
LM End	0.00	Issue Type +	Ma	Location *		
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude		
				Start		End
Item	Sluice/Slide Gates			37.033952 °		37.033952 °
				-120.441733 °		-120.441733 °
DWR ID	DWR_NA0010_24_t_2012_12					
Action/Comments						
Inspector Comments: This item does not exist at this structure.						

No Photos

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Ash Slough Drop Structure No. 1		07/31/2019 07/31/2019	Corey Fujitani

LM Start	0.00	Rating **	N	Issue No.	13
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start		End	
Item	Electric Gate Operators	37.033952 °		37.033952 °	
		-120.441733 °		-120.441733 °	
DWR ID	DWR_NA0010_24_t_2012_13				
Action/Comments					
Inspector Comments: This item does not exist at this structure.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	14
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Manual Gate Operators			37.033952 °	37.033952 °
				-120.441733 °	-120.441733 °
DWR ID	DWR_NA0010_24_t_2012_14				
Action/Comments					
Inspector Comments: This item does not exist at this structure.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	15
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start		End	
Item	Concrete Surfaces	37.033952 °		37.033952 °	
		-120.441733 °		-120.441733 °	
DWR ID	DWR_NA0010_24_t_2012_15				
Action/Comments					
Inspector Comments: No visible damage to concrete surfaces.					

No Photos

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Ash Slough Drop Structure No. 1		07/31/2019 07/31/2019	Corey Fujitani

LM Start	0.00	Rating **	A	Issue No.	16
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start		End	
Item	Concrete Tilting / Settlement	37.033952 °		37.033952 °	
		-120.441733 °		-120.441733 °	
DWR ID	DWR_NA0010_24_t_2012_16				
Action/Comments					
Inspector Comments: No visible movement or settlement present.					

No Photos

LM Start	0.00	Rating **	M	Issue No.	17
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start		End	
Item	Concrete Foundations	37.033952 °		37.033952 °	
		-120.441733 °		-120.441733 °	
DWR ID	DWR_NA0010_24_t_2012_17				
Action/Comments					
Inspector Comments: Erosion and revetment displacement at base of downstream side of structure.					

Photo 1 of 1 : ST_2019_NA0010_24_17_20190807_00022.jpg



Erosion and revetment displacement at the base on the downstream side of structure. (2019)

LM Start	0.00	Rating **	N	Issue No.	18
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start		End	
Item	Security Fencing	37.033952 °		37.033952 °	
		-120.441733 °		-120.441733 °	
DWR ID	DWR_NA0010_24_t_2012_18				
Action/Comments					
Inspector Comments: This item does not exist at this structure.					

No Photos

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Ash Slough Drop Structure No. 1		07/31/2019 07/31/2019	Corey Fujitani

LM Start	0.00	Rating **	N	Issue No.	19
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start		End	
Item	Closure Structures	37.033952 °		37.033952 °	
		-120.441733 °		-120.441733 °	
DWR ID	DWR_NA0010_24_t_2012_19				
Action/Comments					
Inspector Comments: This item does not exist at this structure.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	20
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Trash Rakes			37.033952 °	37.033952 °
				-120.441733 °	-120.441733 °
DWR ID	DWR_NA0010_24_t_2012_20				
Action/Comments					
Inspector Comments: This item does not exist at this structure.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	21
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Other Metallic Items			37.033952 °	37.033952 °
				-120.441733 °	-120.441733 °
DWR ID	DWR_NA0010_24_t_2012_21				
Action/Comments					
Inspector Comments: This item does not exist at this structure.					

No Photos

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Ash Slough Drop Structure No. 1		07/31/2019 07/31/2019	Corey Fujitani

LM Start	0.00	Rating **	A	Issue No.	22
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Monolith Joints			37.033952 °	37.033952 °
				-120.441733 °	-120.441733 °
DWR ID	DWR_NA0010_24_t_2012_22				
Action/Comments					
Inspector Comments: Joint gaskets on the left bank appear to be deteriorating. Monitor for potential repairs.					

Photo 1 of 1 : ST_2019_NA0010_24_22_20190613_00010.jpg



Left bank joint deteriorating. (2018)

LM Start	0.00	Rating **	A	Issue No.	23
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Safety			37.033952 °	37.033952 °
				-120.441733 °	-120.441733 °
DWR ID	DWR_NA0010_24_t_2012_23				
Action/Comments					
Inspector Comments: No visible safety hazards.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	24
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Operation & Maintenance Manual			37.033952 °	37.033952 °
				-120.441733 °	-120.441733 °
DWR ID	DWR_NA0010_24_t_2013_24				
Action/Comments					
Inspector Comments: The manual is on file in the office.					

No Photos

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

Flood Control Project Maintenance
Unit Cover Sheet
2019 Structure Inspection Results

Lower San Joaquin Levee District

Structure
Ash Slough Drop Structure No. 2

Structure Rating	A
Date of Inspection	7/31/2019
DWR Inspector	Corey Fujitani
Accompanied By	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Ash Slough Drop Structure No. 2		07/31/2019 07/31/2019	Corey Fujitani

LM Start	0.00	Rating **	N	Issue No.	1
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Photo Documentation			37.037853 °	37.037853 °
				-120.440067 °	-120.440067 °
DWR ID	DWR_NA0010_25_t_2012_1				
Action/Comments					

Photo 1 of 3 : ST_2019_NA0010_25_1_20190807_00015.jpg



View of left wing wall. (2019)

LM Start	0.00	Rating **	N	Issue No.	1 (cont)
LM End	0.00	Issue Type +	Ma	Location *	

Photo 2 of 3 : ST_2019_NA0010_25_1_20190807_00017.jpg



View of right wing wall. (2019)

LM Start	0.00	Rating **	N	Issue No.	1 (cont)
LM End	0.00	Issue Type +	Ma	Location *	

Photo 3 of 3 : ST_2019_NA0010_25_1_20190613_00001.jpg



Overview of structure looking upstream (2018)

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Ash Slough Drop Structure No. 2		07/31/2019 07/31/2019	Corey Fujitani

LM Start	0.00	Rating **	A	Issue No.	2
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start		End	
Item	Vegetation & Obstructions	37.037853 °		37.037853 °	
		-120.440067 °		-120.440067 °	
DWR ID	DWR_NA0010_25_t_2012_2				
Action/Comments					
Inspector Comments: No vegetation or obstructions identified.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	3
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Shoaling / Sedimentation			37.037853 °	37.037853 °
				-120.440067 °	-120.440067 °
DWR ID	DWR_NA0010_25_t_2012_3				
Action/Comments					
Inspector Comments: No sedimentation was identified.					

No Photos

LM Start	0.00	Rating **	M	Issue No.	4
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			37.037853 °	37.037853 °
				-120.440067 °	-120.440067 °
DWR ID	DWR_NA0010_25_t_2012_4				
Action/Comments					
Inspector Comments: Large hole on the exterior of the right side wall 2-3 feet wide and 4-5 feet deep and 6-8 feet long. This erosion extends back to the headwall which is visible.					

Photo 1 of 3 : ST_2019_NA0010_25_4_20190807_00018.jpg



Erosion at right sidewall (2019)

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Ash Slough Drop Structure No. 2		07/31/2019 07/31/2019	Corey Fujitani

LM Start	0.00	Rating **	M	Issue No.	4 (cont)	
LM End	0.00	Issue Type +	Ma	Location *		
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude		
				Start	End	
Item	Erosion / Bank Caving			37.037853 °	37.037853 °	
				-120.440067 °	-120.440067 °	
DWR ID	DWR_NA0010_25_t_2012_4					
Action/Comments						
Inspector Comments: Large hole on the exterior of the right side wall 2-3 feet wide and 4-5 feet deep and 6-8 feet long. This erosion extends back to the headwall which is visible.						

Photo 2 of 3 : ST_2019_NA0010_25_4_20190613_00005.jpg



Erosion at right sidewall (2018)

LM Start	0.00	Rating **	M	Issue No.	4 (cont)
LM End	0.00	Issue Type +	Ma	Location *	

Photo 3 of 3 : ST_2019_NA0010_25_4_20190613_00006.jpg



Erosion on the right sidewall (2017)

LM Start	0.00	Rating **	A	Issue No.	5
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Revetments			37.037853 °	37.037853 °
				-120.440067 °	-120.440067 °
DWR ID	DWR_NA0010_25_t_2012_5				
Action/Comments					
Inspector Comments: Existing revetment appears to be adequate, but is partially obscured by sand.					

Photo 1 of 2 : ST_2019_NA0010_25_5_20190807_00019.jpg



View of revetment looking towards right bank. (2019)

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Ash Slough Drop Structure No. 2		07/31/2019 07/31/2019	Corey Fujitani

LM Start	0.00	Rating **	A	Issue No.	5 (cont)	
LM End	0.00	Issue Type +	Ma	Location *		
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude		
				Start		End
Item	Revetments			37.037853 °		37.037853 °
				-120.440067 °		-120.440067 °
DWR ID	DWR_NA0010_25_t_2012_5					
Action/Comments						
Inspector Comments: Existing revetment appears to be adequate, but is partially obscured by sand.						

Photo 2 of 2 : ST_2019_NA0010_25_5_20190613_00008.jpg



Downstream view looking towards right bank (2018)

LM Start	0.00	Rating **	A	Issue No.	6
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.037853 °	37.037853 °
				-120.440067 °	-120.440067 °
DWR ID	DWR_NA0010_25_t_2012_6				
Action/Comments					
Inspector Comments: No visible encroachments.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	7	
LM End	0.00	Issue Type +	Ma	Location *		
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude		
				Start		End
Item	Culverts: Inlets / Outlets			37.037853 °	37.037853 °	
				-120.440067 °	-120.440067 °	
DWR ID	DWR_NA0010_25_t_2012_7					
Action/Comments						
Inspector Comments: This item does not exist at this structure.						

No Photos

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Ash Slough Drop Structure No. 2		07/31/2019 07/31/2019	Corey Fujitani

LM Start	0.00	Rating **	N	Issue No.	8
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start	End		
Item	Culverts: Breaks / Holes / Cracks	37.037853 °		37.037853 °	
		-120.440067 °		-120.440067 °	
DWR ID	DWR_NA0010_25_t_2012_8				
Action/Comments					
Inspector Comments: This item does not exist at this structure.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	9
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Metal Pipes			37.037853 °	37.037853 °
				-120.440067 °	-120.440067 °
DWR ID	DWR_NA0010_25_t_2012_9				
Action/Comments					
Inspector Comments: This item does not exist at this structure.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	10
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Trash Racks			37.037853 °	37.037853 °
				-120.440067 °	-120.440067 °
DWR ID	DWR_NA0010_25_t_2012_10				
Action/Comments					
Inspector Comments: This item does not exist at this structure.					

No Photos

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Ash Slough Drop Structure No. 2		07/31/2019 07/31/2019	Corey Fujitani

LM Start	0.00	Rating **	N	Issue No.	11
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start		End	
Item	Flap Gates	37.037853 °		37.037853 °	
		-120.440067 °		-120.440067 °	
DWR ID	DWR_NA0010_25_t_2012_11				
Action/Comments					
Inspector Comments: This item does not exist at this structure.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	12
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start		End	
Item	Sluice/Slide Gates	37.037853 °		37.037853 °	
		-120.440067 °		-120.440067 °	
DWR ID	DWR_NA0010_25_t_2012_12				
Action/Comments					
Inspector Comments: This item does not exist at this structure.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	13
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start	End		
Item	Electric Gate Operators	37.037853 °		37.037853 °	
		-120.440067 °		-120.440067 °	
DWR ID	DWR_NA0010_25_t_2012_13				
Action/Comments					
Inspector Comments: This item does not exist at this structure.					

No Photos

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Ash Slough Drop Structure No. 2		07/31/2019 07/31/2019	Corey Fujitani

LM Start	0.00	Rating **	N	Issue No.	14
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start		End	
Item	Manual Gate Operators	37.037853 °		37.037853 °	
		-120.440067 °		-120.440067 °	
DWR ID	DWR_NA0010_25_t_2012_14				
Action/Comments					
Inspector Comments: This item does not exist at this structure.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	15
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start		End	
Item	Concrete Surfaces	37.037853 °		37.037853 °	
		-120.440067 °		-120.440067 °	
DWR ID	DWR_NA0010_25_t_2012_15				
Action/Comments					
Inspector Comments: No issues identified for the structure.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	16
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start		End	
Item	Concrete Tilting / Settlement	37.037853 °		37.037853 °	
		-120.440067 °		-120.440067 °	
DWR ID	DWR_NA0010_25_t_2012_16				
Action/Comments					
Inspector Comments: No visible movement or settlement.					

No Photos

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Ash Slough Drop Structure No. 2		07/31/2019 07/31/2019	Corey Fujitani

LM Start	0.00	Rating **	A	Issue No.	17	
LM End	0.00	Issue Type +	Ma	Location *		
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude		
				Start		End
Item	Concrete Foundations			37.037853 °		37.037853 °
				-120.440067 °		-120.440067 °
DWR ID	DWR_NA0010_25_t_2012_17					
Action/Comments						
Inspector Comments: No scouring or undermining identified.						

No Photos

LM Start	0.00	Rating **	N	Issue No.	18
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start		End	
Item	Security Fencing	37.037853 °		37.037853 °	
		-120.440067 °		-120.440067 °	
DWR ID	DWR_NA0010_25_t_2012_18				
Action/Comments					
Inspector Comments: This item does not exist at this structure.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	19
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Closure Structures			37.037853 °	37.037853 °
				-120.440067 °	-120.440067 °
DWR ID	DWR_NA0010_25_t_2012_19				
Action/Comments					
Inspector Comments: This item does not exist at this structure.					

No Photos

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Ash Slough Drop Structure No. 2		07/31/2019 07/31/2019	Corey Fujitani

LM Start	0.00	Rating **	N	Issue No.	20
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start		End	
Item	Trash Rakes	37.037853 °		37.037853 °	
		-120.440067 °		-120.440067 °	
DWR ID	DWR_NA0010_25_t_2012_20				
Action/Comments					
Inspector Comments: This item does not exist at this structure.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	21
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start		End	
Item	Other Metallic Items	37.037853 °		37.037853 °	
		-120.440067 °		-120.440067 °	
DWR ID	DWR_NA0010_25_t_2012_21				
Action/Comments					
Inspector Comments: This item does not exist at this structure.					

No Photos

LM Start	0.00	Rating **	M	Issue No.	22
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start		End	
Item	Monolith Joints	37.037853 °		37.037853 °	
		-120.440067 °		-120.440067 °	
DWR ID	DWR_NA0010_25_t_2012_22				
Action/Comments					
Inspector Comments: Joint gaskets on both wingwalls are deteriorating and need to be repaired.					

Photo 1 of 4 : ST_2019_NA0010_25_22_20190613_00011.jpg



View of monolith joint at right wing wall (2018)

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Ash Slough Drop Structure No. 2		07/31/2019 07/31/2019	Corey Fujitani

LM Start	0.00	Rating **	M	Issue No.	22 (cont)
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Monolith Joints			37.037853 °	37.037853 °
				-120.440067 °	-120.440067 °
DWR ID	DWR_NA0010_25_t_2012_22				
Action/Comments					
Inspector Comments: Joint gaskets on both wingwalls are deteriorating and need to be repaired.					

Photo 2 of 4 : ST_2019_NA0010_25_22_20190613_00012.jpg



Upclose view of monolith joint at right wing wall (2018)

LM Start	0.00	Rating **	M	Issue No.	22 (cont)
LM End	0.00	Issue Type +	Ma	Location *	

Photo 3 of 4 : ST_2019_NA0010_25_22_20190613_00013.jpg



Left bank gasket is deteriorated at headwall. (2017)

LM Start	0.00	Rating **	M	Issue No.	22 (cont)
LM End	0.00	Issue Type +	Ma	Location *	

Photo 4 of 4 : ST_2019_NA0010_25_22_20190613_00014.jpg



Gasket is deteriorated on the wingwall left bank. (2017)

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Ash Slough Drop Structure No. 2		07/31/2019 07/31/2019	Corey Fujitani

LM Start	0.00	Rating **	A	Issue No.	23
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start		End	
Item	Safety	37.037853 °		37.037853 °	
		-120.440067 °		-120.440067 °	
DWR ID	DWR_NA0010_25_t_2012_23				
Action/Comments					
Inspector Comments: No visible safety hazards at this structure.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	24
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Operation & Maintenance Manual			37.037853 °	37.037853 °
				-120.440067 °	-120.440067 °
DWR ID	DWR_NA0010_25_t_2013_24				
Action/Comments					
Inspector Comments: The manual is on file in the office.					

No Photos

*** Location**
LS : Land Side
WS : Water Side
CR : Crown

**** Rating**
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

Flood Control Project Maintenance
Unit Cover Sheet
2019 Structure Inspection Results

Lower San Joaquin Levee District

Structure
Ash Slough Drop Structure No. 3

Structure Rating	A
Date of Inspection	7/31/2019
DWR Inspector	Corey Fujitani
Accompanied By	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Ash Slough Drop Structure No. 3		07/31/2019 07/31/2019	Corey Fujitani

LM Start	0.00	Rating **	N	Issue No.	1
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Photo Documentation			37.042767 °	37.042767 °
				-120.436323 °	-120.436323 °
DWR ID	DWR_NA0010_26_t_2017_1				
Action/Comments					

Photo 1 of 3 : ST_2019_NA0010_26_1_20190807_00014.jpg



View of left wing wall. (2019)

LM Start	0.00	Rating **	N	Issue No.	1 (cont)
LM End	0.00	Issue Type +	Ma	Location *	

Photo 2 of 3 : ST_2019_NA0010_26_1_20190807_00015.jpg



View of right wing wall. (2019)

LM Start	0.00	Rating **	N	Issue No.	1 (cont)
LM End	0.00	Issue Type +	Ma	Location *	

Photo 3 of 3 : ST_2019_NA0010_26_1_20190613_00001.jpg



Overview of structure looking upstream (2018)

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Ash Slough Drop Structure No. 3		07/31/2019 07/31/2019	Corey Fujitani

LM Start	0.00	Rating **	A	Issue No.	2
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start		End	
Item	Vegetation & Obstructions	37.042767 °		37.042767 °	
		-120.436323 °		-120.436323 °	
DWR ID	DWR_NA0010_26_t_2012_2				
Action/Comments					
Inspector Comments: Tree branch caught along right wing wall of structure.					

Photo 1 of 1 : ST_2019_NA0010_26_2_20190807_00016.jpg



Tree branches caught along right wing wall. (2019)

LM Start	0.00	Rating **	M	Issue No.	3
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start		End	
Item	Shoaling / Sedimentation	37.042767 °		37.042767 °	
		-120.436323 °		-120.436323 °	
DWR ID	DWR_NA0010_26_t_2012_3				
Action/Comments					
Inspector Comments: Sedimentation on the upstream side of structure and also on the downstream side of the left wingwall area.					

Photo 1 of 2 : ST_2019_NA0010_26_3_20190807_00017.jpg



Sedimentation near left wing wall. (2019)

LM Start	0.00	Rating **	M	Issue No.	3 (cont)
LM End	0.00	Issue Type +	Ma	Location *	

Photo 2 of 2 : ST_2019_NA0010_26_3_20190613_00004.jpg



Sedimentation near left wing wall (2018)

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Ash Slough Drop Structure No. 3		07/31/2019 07/31/2019	Corey Fujitani

LM Start	0.00	Rating **	A	Issue No.	4
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			37.042767 °	37.042767 °
				-120.436323 °	-120.436323 °
DWR ID	DWR_NA0010_26_t_2012_4				
Action/Comments					
Inspector Comments: No visible erosion or caving near the structure was identified.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	5	
LM End	0.00	Issue Type +	Ma	Location *		
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude		
				Start		End
Item	Revetments			37.042767 °		37.042767 °
				-120.436323 °		-120.436323 °
DWR ID	DWR_NA0010_26_t_2012_5					
Action/Comments						
Inspector Comments: Existing revetment is covered by the sand. Recommend maintenance to ensure revetment is adequate.						

Photo 1 of 2 : ST_2019_NA0010_26_5_20190613_00007.jpg



Downstream view of revetment, mostly obscured by sedimentation (2018)

LM Start	0.00	Rating **	A	Issue No.	5 (cont)
LM End	0.00	Issue Type +	Ma	Location *	

Photo 2 of 2 : ST_2019_NA0010_26_5_20190613_00008.jpg



Looking towards the right bank, the riprap is obscured by sedimentation and vegetation growth. (2017)

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Ash Slough Drop Structure No. 3		07/31/2019 07/31/2019	Corey Fujitani

LM Start	0.00	Rating **	A	Issue No.	6
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start		End	
Item	Encroachments	37.042767 °		37.042767 °	
		-120.436323 °		-120.436323 °	
DWR ID	DWR_NA0010_26_t_2012_6				
Action/Comments					
Inspector Comments: No visible encroachments near the structure.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	7
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start		End	
Item	Culverts: Inlets / Outlets	37.042767 °		37.042767 °	
		-120.436323 °		-120.436323 °	
DWR ID	DWR_NA0010_26_t_2012_7				
Action/Comments					
Inspector Comments: This item does not exist at this structure.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	8
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Culverts: Breaks / Holes / Cracks			37.042767 °	37.042767 °
				-120.436323 °	-120.436323 °
DWR ID	DWR_NA0010_26_t_2012_8				
Action/Comments					
Inspector Comments: This item does not exist at this structure.					

No Photos

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Ash Slough Drop Structure No. 3		07/31/2019 07/31/2019	Corey Fujitani

LM Start	0.00	Rating **	N	Issue No.	9
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start		End	
Item	Metal Pipes	37.042767 °		37.042767 °	
		-120.436323 °		-120.436323 °	
DWR ID	DWR_NA0010_26_t_2012_9				
Action/Comments					
Inspector Comments: This item does not exist at this structure.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	10
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start		End	
Item	Trash Racks	37.042767 °		37.042767 °	
		-120.436323 °		-120.436323 °	
DWR ID	DWR_NA0010_26_t_2012_10				
Action/Comments					
Inspector Comments: This item does not exist at this structure.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	11
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Flap Gates			37.042767 °	37.042767 °
				-120.436323 °	-120.436323 °
DWR ID	DWR_NA0010_26_t_2012_11				
Action/Comments					
Inspector Comments: This item does not exist at this structure.					

No Photos

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Ash Slough Drop Structure No. 3		07/31/2019 07/31/2019	Corey Fujitani

LM Start	0.00	Rating **	N	Issue No.	12
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Sluice/Slide Gates			37.042767 °	37.042767 °
				-120.436323 °	-120.436323 °
DWR ID	DWR_NA0010_26_t_2012_12				
Action/Comments					
Inspector Comments: This items does not exist at this structure.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	13
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Electric Gate Operators			37.042767 °	37.042767 °
				-120.436323 °	-120.436323 °
DWR ID	DWR_NA0010_26_t_2012_13				
Action/Comments					
Inspector Comments: This item does not exist at this structure.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	14	
LM End	0.00	Issue Type +	Ma	Location *		
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude		
				Start		End
Item	Manual Gate Operators			37.042767 °		37.042767 °
				-120.436323 °		-120.436323 °
DWR ID	DWR_NA0010_26_t_2012_14					
Action/Comments						
Inspector Comments: This item does not exist at this structure.						

No Photos

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Ash Slough Drop Structure No. 3		07/31/2019 07/31/2019	Corey Fujitani

LM Start	0.00	Rating **	A	Issue No.	15
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start		End	
Item	Concrete Surfaces	37.042767 °		37.042767 °	
		-120.436323 °		-120.436323 °	
DWR ID	DWR_NA0010_26_t_2012_15				
Action/Comments					
Inspector Comments: No visible damage.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	16
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start		End	
Item	Concrete Tilting / Settlement	37.042767 °		37.042767 °	
		-120.436323 °		-120.436323 °	
DWR ID	DWR_NA0010_26_t_2012_16				
Action/Comments					
Inspector Comments: No visible movement or settlement.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	17
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Concrete Foundations			37.042767 °	37.042767 °
				-120.436323 °	-120.436323 °
DWR ID	DWR_NA0010_26_t_2012_17				
Action/Comments					
Inspector Comments: No visible undermining or erosion.					

No Photos

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Ash Slough Drop Structure No. 3		07/31/2019 07/31/2019	Corey Fujitani

LM Start	0.00	Rating **	N	Issue No.	18
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start		End	
Item	Security Fencing	37.042767 °		37.042767 °	
		-120.436323 °		-120.436323 °	
DWR ID	DWR_NA0010_26_t_2012_18				
Action/Comments					
Inspector Comments: This item does not exist at this structure.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	19
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Closure Structures			37.042767 °	37.042767 °
				-120.436323 °	-120.436323 °
DWR ID	DWR_NA0010_26_t_2012_19				
Action/Comments					
Inspector Comments: This item does not exist at this structure.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	20	
LM End	0.00	Issue Type +	Ma	Location *		
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude		
				Start		End
Item	Trash Rakes			37.042767 °		37.042767 °
				-120.436323 °		-120.436323 °
DWR ID	DWR_NA0010_26_t_2012_20					
Action/Comments						
Inspector Comments: This item does not exist at this structure.						

No Photos

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Ash Slough Drop Structure No. 3		07/31/2019 07/31/2019	Corey Fujitani

LM Start	0.00	Rating **	N	Issue No.	21
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start		End	
Item	Other Metallic Items	37.042767 °		37.042767 °	
		-120.436323 °		-120.436323 °	
DWR ID	DWR_NA0010_26_t_2012_21				
Action/Comments					
Inspector Comments: This item does not exist at this structure.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	22
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Monolith Joints			37.042767 °	37.042767 °
				-120.436323 °	-120.436323 °
DWR ID	DWR_NA0010_26_t_2012_22				
Action/Comments					
Inspector Comments: All joints appears to be in good condition. Some minor degradation of the joint material on the right wingwall but does not appear it would currently impact structure.					

Photo 1 of 2 : ST_2019_NA0010_26_22_20190807_00018.jpg



Deterioration of right wing wall gasket. (2019)

LM Start	0.00	Rating **	A	Issue No.	22 (cont)
LM End	0.00	Issue Type +	Ma	Location *	

Photo 2 of 2 : ST_2019_NA0010_26_22_20190613_00009.jpg



View of the right wingwall joint. The gasket has deteriorated midway down the joint. (2017)

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Ash Slough Drop Structure No. 3		07/31/2019 07/31/2019	Corey Fujitani

LM Start	0.00	Rating **	A	Issue No.	23
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start		End	
Item	Safety	37.042767 °		37.042767 °	
		-120.436323 °		-120.436323 °	
DWR ID	DWR_NA0010_26_t_2012_23				
Action/Comments					
Inspector Comments: No visible safety hazards at the structure.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	24
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Operation & Maintenance Manual			37.042767 °	37.042767 °
				-120.436323 °	-120.436323 °
DWR ID	DWR_NA0010_26_t_2013_24				
Action/Comments					
Inspector Comments: The O&M manual is on file in the office.					

No Photos

*** Location**
LS : Land Side
WS : Water Side
CR : Crown

**** Rating**
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

Flood Control Project Maintenance
Unit Cover Sheet
2019 Structure Inspection Results

Lower San Joaquin Levee District

Structure
Ash Slough Drop Structure No. 4

Structure Rating	A
Date of Inspection	7/31/2019
DWR Inspector	Corey Fujitani
Accompanied By	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Ash Slough Drop Structure No. 4		07/31/2019 07/31/2019	Corey Fujitani

LM Start	0.00	Rating **	N	Issue No.	1
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Photo Documentation			37.045045 °	37.045045 °
				-120.429855 °	-120.429855 °
DWR ID	DWR_NA0010_27_t_2012_1				
Action/Comments					

Photo 1 of 3 : ST_2019_NA0010_27_1_20190807_00024.jpg



View of right wing wall. (2019)

LM Start	0.00	Rating **	N	Issue No.	1 (cont)
LM End	0.00	Issue Type +	Ma	Location *	

Photo 2 of 3 : ST_2019_NA0010_27_1_20190807_00023.jpg



View of left wing wall. (2019)

LM Start	0.00	Rating **	N	Issue No.	1 (cont)
LM End	0.00	Issue Type +	Ma	Location *	

Photo 3 of 3 : ST_2019_NA0010_27_1_20190613_00001.jpg



Overview of structure looking upstream (2018)

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Ash Slough Drop Structure No. 4		07/31/2019 07/31/2019	Corey Fujitani

LM Start	0.00	Rating **	M	Issue No.	2
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start		End	
Item	Vegetation & Obstructions	37.045045 °		37.045045 °	
		-120.429855 °		-120.429855 °	
DWR ID	DWR_NA0010_27_t_2012_2				
Action/Comments					
Inspector Comments: Trees should be removed from around structure.					

Photo 1 of 2 : ST_2019_NA0010_27_2_20190807_00025.jpg



View of tree growing at the left head wall. (2019)

LM Start	0.00	Rating **	M	Issue No.	2 (cont)
LM End	0.00	Issue Type +	Ma	Location *	

Photo 2 of 2 : ST_2019_NA0010_27_2_20190808_00029.jpg



Branches and debris piling up along left headwall. (2019)

LM Start	0.00	Rating **	A	Issue No.	3
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start		End	
Item	Shoaling / Sedimentation	37.045045 °		37.045045 °	
		-120.429855 °		-120.429855 °	
DWR ID	DWR_NA0010_27_t_2012_3				
Action/Comments					
Inspector Comments: Minor sedimentation on the downstream left bank side of the structure and also the right bank side at the metal culvert outlet.					

Photo 1 of 3 : ST_2019_NA0010_27_3_20190613_00007.jpg



Sedimentation downstream along left wing wall. (2018)

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Ash Slough Drop Structure No. 4		07/31/2019 07/31/2019	Corey Fujitani

LM Start	0.00	Rating **	A	Issue No.	3 (cont)	
LM End	0.00	Issue Type +	Ma	Location *		
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude		
				Start	End	
Item	Shoaling / Sedimentation			37.045045 °	37.045045 °	
				-120.429855 °	-120.429855 °	
DWR ID	DWR_NA0010_27_t_2012_3					
Action/Comments						
Inspector Comments: Minor sedimentation on the downstream left bank side of the structure and also the right bank side at the metal culvert outlet.						

Photo 2 of 3 : ST_2019_NA0010_27_3_20190613_00008.jpg



Sedimentation along right wing wall near pipe outlet. (2018)

Photo 3 of 3 : ST_2019_NA0010_27_3_20190613_00009.jpg



View of sedimentation from the left bank looking to the downstream side of the structure. (2017)

LM Start	0.00	Rating **	A	Issue No.	4
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			37.045045 °	37.045045 °
				-120.429855 °	-120.429855 °
DWR ID	DWR_NA0010_27_t_2012_4				
Action/Comments					
Inspector Comments: No visible erosion was found.					

No Photos

* Location LS : Land Side WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain			

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Ash Slough Drop Structure No. 4		07/31/2019 07/31/2019	Corey Fujitani

LM Start	0.00	Rating **	A	Issue No.	5
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start		End	
Item	Revetments	37.045045 °		37.045045 °	
		-120.429855 °		-120.429855 °	
DWR ID	DWR_NA0010_27_t_2012_5				
Action/Comments					
Inspector Comments: No revetment visible on upstream side of structure. Downstream revetment is covered by sand. Recommend maintenance to ensure revetment is adequate.					

Photo 1 of 1 : ST_2019_NA0010_27_5_20190613_00010.jpg



View of downstream side of structure looking upstream. (2018)

LM Start	0.00	Rating **	U	Issue No.	6
LM End	0.00	Issue Type +	En	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start	End		
Item	Encroachments	37.045045 °		37.045045 °	
		-120.429855 °		-120.429855 °	
DWR ID	DWR_NA0010_27_t_2012_6				
Action/Comments					
Inspector Comments: Landowner is blocking the structure with a sand dam. Additionally, the landowner installed unauthorized pipes through the unauthorized sand dam.					

Photo 1 of 5 : ST_2019_NA0010_27_6_20190808_00026.jpg



View of unauthorized earthen dam and pipe from right bank. (2019)

LM Start	0.00	Rating **	U	Issue No.	6 (cont)
LM End	0.00	Issue Type +	En	Location *	

Photo 2 of 5 : ST_2019_NA0010_27_6_20190808_00027.jpg



Pipes stored on right bank of structure. (2019)

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Ash Slough Drop Structure No. 4		07/31/2019 07/31/2019	Corey Fujitani

LM Start	0.00	Rating **	U	Issue No.	6 (cont)	
LM End	0.00	Issue Type +	En	Location *		
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude		
				Start	End	
Item	Encroachments			37.045045 °	37.045045 °	
				-120.429855 °	-120.429855 °	
DWR ID	DWR_NA0010_27_t_2012_6					
Action/Comments						
Inspector Comments: Landowner is blocking the structure with a sand dam. Additionally, the landowner installed unauthorized pipes through the unauthorized sand dam.						

Photo 3 of 5 : ST_2019_NA0010_27_6_20190808_00028.jpg



Pipes stored on left bank of structure. (2019)

LM Start	0.00	Rating **	U	Issue No.	6 (cont)
LM End	0.00	Issue Type +	En	Location *	

Photo 4 of 5 : ST_2019_NA0010_27_6_20190613_00013.jpg



View of the other unauthorized pipes through the unauthorized earthen dam. (2018)

LM Start	0.00	Rating **	U	Issue No.	6 (cont)
LM End	0.00	Issue Type +	En	Location *	

Photo 5 of 5 : ST_2019_NA0010_27_6_20190613_00014.jpg



Looking towards the left bank, the visible pipe is constructed through the sand dam. (2017)

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Ash Slough Drop Structure No. 4		07/31/2019 07/31/2019	Corey Fujitani

LM Start	0.00	Rating **	A	Issue No.	7
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Culverts: Inlets / Outlets			37.045045 °	37.045045 °
				-120.429855 °	-120.429855 °
DWR ID	DWR_NA0010_27_t_2012_7				
Action/Comments					
Inspector Comments: The structure has 1 CMP culvert at the base of each wingwall that appear to be in good shape with no visible signs of deterioration.					

Photo 1 of 2 : ST_2019_NA0010_27_7_20190808_00030.jpg



View of culvert outlet at right wing wall. (2019)

LM Start	0.00	Rating **	A	Issue No.	7 (cont)
LM End	0.00	Issue Type +	Ma	Location *	

Photo 2 of 2 : ST_2019_NA0010_27_7_20190808_00031.jpg



View of culvert outlet at left wing wall. (2019)

LM Start	0.00	Rating **	A	Issue No.	8
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Culverts: Breaks / Holes / Cracks			37.045045 °	37.045045 °
				-120.429855 °	-120.429855 °
DWR ID	DWR_NA0010_27_t_2012_8				
Action/Comments					
Inspector Comments: There are no visible signs of breaks in the culverts.					

No Photos

* Location
LS : Land Side
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Ash Slough Drop Structure No. 4		07/31/2019 07/31/2019	Corey Fujitani

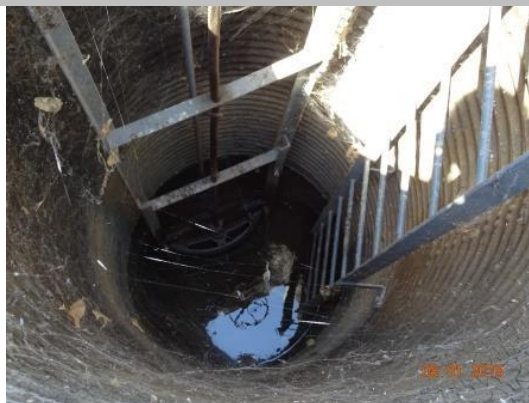
LM Start	0.00	Rating **	A	Issue No.	9
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start		End	
Item	Metal Pipes	37.045045°		37.045045°	
		-120.429855°		-120.429855°	
DWR ID	DWR_NA0010_27_t_2012_9				
Action/Comments					
Inspector Comments: The structure has 1 metal culvert at the base of each wing wall that appear to be in good shape with no visible signs of deterioration.					

Photo 1 of 3 : ST_2019_NA0010_27_9_20190613_00017.jpg



CMP in left wing wall downstream side. (2018)

Photo 2 of 3 : ST_2019_NA0010_27_9_20190613_00018.jpg



Typical riser for CMP in structure. (2018)

Photo 3 of 3 : ST_2019_NA0010_27_9_20190613_00019.jpg



Upstream, inlet for left wing wall CMP. (2017)

LM Start	0.00	Rating **	A	Issue No.	9 (cont)
LM End	0.00	Issue Type +	Ma	Location *	

LM Start	0.00	Rating **	A	Issue No.	9 (cont)
LM End	0.00	Issue Type +	Ma	Location *	

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Ash Slough Drop Structure No. 4		07/31/2019 07/31/2019	Corey Fujitani

LM Start	0.00	Rating **	N	Issue No.	10
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start		End	
Item	Trash Racks	37.045045 °		37.045045 °	
		-120.429855 °		-120.429855 °	
DWR ID	DWR_NA0010_27_t_2012_10				
Action/Comments					
Inspector Comments: This item does not exist on this structure.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	11
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Flap Gates			37.045045 °	37.045045 °
				-120.429855 °	-120.429855 °
DWR ID	DWR_NA0010_27_t_2012_11				
Action/Comments					
Inspector Comments: This item does not exist on this structure.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	12
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Sluice/Slide Gates			37.045045 °	37.045045 °
				-120.429855 °	-120.429855 °
DWR ID	DWR_NA0010_27_t_2012_12				
Action/Comments					
Inspector Comments: The structure includes 1 slide gate on each bank. Both are operational.					

Photo 1 of 2 : ST_2019_NA0010_27_12_20190808_00032.jpg



Slide gate on the right bank. (2019)

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Ash Slough Drop Structure No. 4		07/31/2019 07/31/2019	Corey Fujitani

LM Start	0.00	Rating **	A	Issue No.	12 (cont)
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Sluice/Slide Gates			37.045045 °	37.045045 °
				-120.429855 °	-120.429855 °
DWR ID	DWR_NA0010_27_t_2012_12				
Action/Comments					
Inspector Comments: The structure includes 1 slide gate on each bank. Both are operational.					

Photo 2 of 2 : ST_2019_NA0010_27_12_20190808_00033.jpg



Slide gate on the left bank. (2019)

LM Start	0.00	Rating **	N	Issue No.	13
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Electric Gate Operators			37.045045 °	37.045045 °
				-120.429855 °	-120.429855 °
DWR ID	DWR_NA0010_27_t_2012_13				
Action/Comments					
Inspector Comments: This item does not exist on this structure.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	14
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Manual Gate Operators			37.045045 °	37.045045 °
				-120.429855 °	-120.429855 °
DWR ID	DWR_NA0010_27_t_2012_14				
Action/Comments					
Inspector Comments: Manual gate operators perform as intended and appear to be adequately maintained.					

No Photos

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Ash Slough Drop Structure No. 4		07/31/2019 07/31/2019	Corey Fujitani

LM Start	0.00	Rating **	A	Issue No.	15
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Concrete Surfaces			37.045045 °	37.045045 °
				-120.429855 °	-120.429855 °
DWR ID	DWR_NA0010_27_t_2012_15				
Action/Comments					
Inspector Comments: No visible damage.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	16
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Concrete Tilting / Settlement			37.045045 °	37.045045 °
				-120.429855 °	-120.429855 °
DWR ID	DWR_NA0010_27_t_2012_16				
Action/Comments					
Inspector Comments: No visible movement or settlement.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	17
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Concrete Foundations			37.045045 °	37.045045 °
				-120.429855 °	-120.429855 °
DWR ID	DWR_NA0010_27_t_2012_17				
Action/Comments					
Inspector Comments: No visible undermining at the structure.					

No Photos

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Ash Slough Drop Structure No. 4		07/31/2019 07/31/2019	Corey Fujitani

LM Start	0.00	Rating **	N	Issue No.	18
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start		End	
Item	Security Fencing	37.045045 °		37.045045 °	
		-120.429855 °		-120.429855 °	
DWR ID	DWR_NA0010_27_t_2012_18				
Action/Comments					
Inspector Comments: This item does not exist at this structure.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	19
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Closure Structures			37.045045 °	37.045045 °
				-120.429855 °	-120.429855 °
DWR ID	DWR_NA0010_27_t_2012_19				
Action/Comments					
Inspector Comments: This item does not exist at this structure.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	20	
LM End	0.00	Issue Type +	Ma	Location *		
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude		
				Start		End
Item	Trash Rakes			37.045045 °		37.045045 °
				-120.429855 °		-120.429855 °
DWR ID	DWR_NA0010_27_t_2012_20					
Action/Comments						
Inspector Comments: This item does not exist at this structure.						

No Photos

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Ash Slough Drop Structure No. 4		07/31/2019 07/31/2019	Corey Fujitani

LM Start	0.00	Rating **	N	Issue No.	21
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start		End	
Item	Other Metallic Items	37.045045 °		37.045045 °	
		-120.429855 °		-120.429855 °	
DWR ID	DWR_NA0010_27_t_2012_21				
Action/Comments					
Inspector Comments: No metal items at this structure.					

No Photos

LM Start	0.00	Rating **	M	Issue No.	22
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start	End		
Item	Monolith Joints	37.045045 °		37.045045 °	
		-120.429855 °		-120.429855 °	
DWR ID	DWR_NA0010_27_t_2012_22				
Action/Comments					
Inspector Comments: The gasket on the right wingwall is starting to deteriorate. Recommend repair.					

Photo 1 of 1 : ST_2019_NA0010_27_22_20190613_00022.jpg



View of gasket on right wingwall. (2018)

LM Start	0.00	Rating **	A	Issue No.	23
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start		End	
Item	Safety	37.045045 °		37.045045 °	
		-120.429855 °		-120.429855 °	
DWR ID	DWR_NA0010_27_t_2012_23				
Action/Comments					
Inspector Comments: No safety hazards visible.					

No Photos

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Ash Slough Drop Structure No. 4		07/31/2019 07/31/2019	Corey Fujitani

LM Start	0.00	Rating **	A	Issue No.	24
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Operation & Maintenance Manual			37.045045 °	37.045045 °
				-120.429855 °	-120.429855 °
DWR ID	DWR_NA0010_27_t_2013_24				
Action/Comments					
Inspector Comments: The O&M manual is on file in the office.					

No Photos

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Flood Control Project Maintenance
Unit Cover Sheet
2019 Structure Inspection Results

Lower San Joaquin Levee District

Structure
Bear Creek Diversion Structure

Structure Rating	A
Date of Inspection	7/30/2019
DWR Inspector	Corey Fujitani
Accompanied By	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Bear Creek Diversion Structure		07/30/2019 07/30/2019	Corey Fujitani

LM Start	0.00	Rating **	N	Issue No.	1	
LM End	0.00	Issue Type +	Ma	Location *		
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude		
				Start		End
Item	Photo Documentation			37.254970 °		37.254970 °
				-120.718450 °		-120.718450 °
DWR ID	DWR_NA0010_34_t_2012_1					
Action/Comments						
Inspector Comments: Structure appears to be acceptably maintained.						

Photo 1 of 3 : ST_2019_NA0010_34_1_20190802_00018.jpg



Overview of structure from left bank looking upstream. (2019)

Photo 2 of 3 : ST_2019_NA0010_34_1_20190802_00020.jpg



View of upstream side of structure looking at the left bank. (2019)

Photo 3 of 3 : ST_2019_NA0010_34_1_20190613_00003.jpg



View of downstream side of structure. (2017)

LM Start	0.00	Rating **	N	Issue No.	1 (cont)
LM End	0.00	Issue Type +	Ma	Location *	

LM Start	0.00	Rating **	N	Issue No.	1 (cont)
LM End	0.00	Issue Type +	Ma	Location *	

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Bear Creek Diversion Structure		07/30/2019 07/30/2019	Corey Fujitani

LM Start	0.00	Rating **	A	Issue No.	2
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start		End	
Item	Vegetation & Obstructions	37.254970 °		37.254970 °	
		-120.718450 °		-120.718450 °	
DWR ID	DWR_NA0010_34_t_2012_2				
Action/Comments					
Inspector Comments: No vegetation issues identified.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	3
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start		End	
Item	Shoaling / Sedimentation	37.254970 °		37.254970 °	
		-120.718450 °		-120.718450 °	
DWR ID	DWR_NA0010_34_t_2012_3				
Action/Comments					
Inspector Comments: No sedimentation or shoaling visible.					

No Photos

LM Start	0.00	Rating **	M	Issue No.	4
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			37.254970 °	37.254970 °
				-120.718450 °	-120.718450 °
DWR ID	DWR_NA0010_34_t_2012_4				
Action/Comments					
Inspector Comments: Erosion at upstream left bank undermining an area of concrete revetment.					

Photo 1 of 2 : ST_2019_NA0010_34_4_20190802_00021.jpg



View of erosion at left bank on the upstream side of the structure. (2019)

*** Location**
LS : Land Side
WS : Water Side
CR : Crown

**** Rating**
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Bear Creek Diversion Structure		07/30/2019 07/30/2019	Corey Fujitani

LM Start	0.00	Rating **	M	Issue No.	4 (cont)	
LM End	0.00	Issue Type +	Ma	Location *		
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude		
				Start	End	
Item	Erosion / Bank Caving			37.254970 °	37.254970 °	
				-120.718450 °	-120.718450 °	
DWR ID	DWR_NA0010_34_t_2012_4					
Action/Comments						
Inspector Comments: Erosion at upstream left bank undermining an area of concrete revetment.						

Photo 2 of 2 : ST_2019_NA0010_34_4_20190613_00005.jpg



Close up of erosion at upstream left bank. (2018)

LM Start	0.00	Rating **	M	Issue No.	5
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Revetments			37.254970 °	37.254970 °
				-120.718450 °	-120.718450 °
DWR ID	DWR_NA0010_34_t_2012_5				
Action/Comments					
Inspector Comments: Some minor revetment scouring on downstream side of structure was identified in previous inspections. Scour was not visible during 2019 inspection.					

Photo 1 of 3 : ST_2019_NA0010_34_5_20190613_00006.jpg



Looking at minor revetment erosion on downstream side of structure. (2015)

LM Start	0.00	Rating **	M	Issue No.	5 (cont)
LM End	0.00	Issue Type +	Ma	Location *	

Photo 2 of 3 : ST_2019_NA0010_34_5_20190613_00007.jpg



Looking at revetments on downstream side of structure. (2015)

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Bear Creek Diversion Structure		07/30/2019 07/30/2019	Corey Fujitani

LM Start	0.00	Rating **	M	Issue No.	5 (cont)	
LM End	0.00	Issue Type +	Ma	Location *		
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude		
				Start		End
Item	Revetments			37.254970 °		37.254970 °
				-120.718450 °		-120.718450 °
DWR ID	DWR_NA0010_34_t_2012_5					
Action/Comments						
Inspector Comments: Some minor revetment scouring on downstream side of structure was identified in previous inspections. Scour was not visible during 2019 inspection.						

Photo 3 of 3 : ST_2019_NA0010_34_5_20190613_00008.jpg



Revetment erosion on downstream side of structure. (2018)

LM Start	0.00	Rating **	A	Issue No.	6	
LM End	0.00	Issue Type +	Ma	Location *		
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude		
				Start		End
Item	Encroachments			37.254970 °		37.254970 °
				-120.718450 °		-120.718450 °
DWR ID	DWR_NA0010_34_t_2012_6					
Action/Comments						
Inspector Comments: No encroachments identified.						

No Photos

LM Start	0.00	Rating **	A	Issue No.	7	
LM End	0.00	Issue Type +	Ma	Location *		
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude		
				Start		End
Item	Culverts: Inlets / Outlets			37.254970 °		37.254970 °
				-120.718450 °		-120.718450 °
DWR ID	DWR_NA0010_34_t_2012_7					
Action/Comments						
Inspector Comments: No debris blocking the culverts.						

No Photos

* Location LS : Land Side WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Bear Creek Diversion Structure		07/30/2019 07/30/2019	Corey Fujitani

LM Start	0.00	Rating **	A	Issue No.	8	
LM End	0.00	Issue Type +	Ma	Location *		
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude		
				Start		End
Item	Culverts: Breaks / Holes / Cracks			37.254970 °		37.254970 °
				-120.718450 °		-120.718450 °
DWR ID	DWR_NA0010_34_t_2012_8					
Action/Comments						
Inspector Comments: No visible damage to culverts.						

No Photos

LM Start	0.00	Rating **	N	Issue No.	9	
LM End	0.00	Issue Type +	Ma	Location *		
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude		
				Start		End
Item	Metal Pipes			37.254970 °		37.254970 °
				-120.718450 °		-120.718450 °
DWR ID	DWR_NA0010_34_t_2012_9					
Action/Comments						
Inspector Comments: Item does not exist on this structure.						

No Photos

LM Start	0.00	Rating **	N	Issue No.	10	
LM End	0.00	Issue Type +	Ma	Location *		
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude		
				Start		End
Item	Trash Racks			37.254970 °		37.254970 °
				-120.718450 °		-120.718450 °
DWR ID	DWR_NA0010_34_t_2012_10					
Action/Comments						
Inspector Comments: Item does not exist on this structure.						

No Photos

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Bear Creek Diversion Structure		07/30/2019 07/30/2019	Corey Fujitani

LM Start	0.00	Rating **	N	Issue No.	11
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start	End		
Item	Flap Gates	37.254970 °	37.254970 °		
		-120.718450 °	-120.718450 °		
DWR ID	DWR_NA0010_34_t_2012_11				
Action/Comments					
Inspector Comments: Item does not exist on this structure.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	12
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start	End		
Item	Sluice/Slide Gates	37.254970 °		37.254970 °	
		-120.718450 °		-120.718450 °	
DWR ID	DWR_NA0010_34_t_2012_12				
Action/Comments					
Inspector Comments: Gate appear to be in good working condition.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	13
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start	End		
Item	Electric Gate Operators	37.254970 °		37.254970 °	
		-120.718450 °		-120.718450 °	
DWR ID	DWR_NA0010_34_t_2012_13				
Action/Comments					
Inspector Comments: Electric gate appears to be properly maintained and is in good working condition.					

Photo 1 of 2 : ST_2019_NA0010_34_13_20190802_00022.jpg



Looking at gate operator on upstream side of structure. (2019)

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Bear Creek Diversion Structure		07/30/2019 07/30/2019	Corey Fujitani

LM Start	0.00	Rating **	A	Issue No.	13 (cont)
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Electric Gate Operators			37.254970 °	37.254970 °
				-120.718450 °	-120.718450 °
DWR ID	DWR_NA0010_34_t_2012_13				
Action/Comments					
Inspector Comments: Electric gate appears to be properly maintained and is in good working condition.					

Photo 2 of 2 : ST_2019_NA0010_34_13_20190613_00010.jpg



Looking at electrical control panel on east side of structure. (2017)

LM Start	0.00	Rating **	N	Issue No.	14
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Manual Gate Operators			37.254970 °	37.254970 °
				-120.718450 °	-120.718450 °
DWR ID	DWR_NA0010_34_t_2012_14				
Action/Comments					
Inspector Comments: No manual gate operators on this structure.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	15
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Concrete Surfaces			37.254970 °	37.254970 °
				-120.718450 °	-120.718450 °
DWR ID	DWR_NA0010_34_t_2012_15				
Action/Comments					
Inspector Comments: Cracking on upper surface of downstream left wing wall.					

Photo 1 of 3 : ST_2019_NA0010_34_15_20190802_00023.jpg



Cracking on left wing wall. (2019)

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Bear Creek Diversion Structure		07/30/2019 07/30/2019	Corey Fujitani

LM Start	0.00	Rating **	A	Issue No.	15 (cont)	
LM End	0.00	Issue Type +	Ma	Location *		
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude		
				Start	End	
Item	Concrete Surfaces			37.254970 °	37.254970 °	
				-120.718450 °	-120.718450 °	
DWR ID	DWR_NA0010_34_t_2012_15					
Action/Comments						
Inspector Comments: Cracking on upper surface of downstream left wing wall.						

Photo 2 of 3 : ST_2019_NA0010_34_15_20190613_00012.jpg



Cracking on left wing wall. (2017)

LM Start	0.00	Rating **	A	Issue No.	15 (cont)
LM End	0.00	Issue Type +	Ma	Location *	

Photo 3 of 3 : ST_2019_NA0010_34_15_20190613_00013.jpg



Cracking on left wing wall. (2017)

LM Start	0.00	Rating **	A	Issue No.	16
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Concrete Tilting / Settlement			37.254970 °	37.254970 °
				-120.718450 °	-120.718450 °
DWR ID	DWR_NA0010_34_t_2012_16				
Action/Comments					
Inspector Comments: No visible settlement identified.					

No Photos

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Bear Creek Diversion Structure		07/30/2019 07/30/2019	Corey Fujitani

LM Start	0.00	Rating **	A	Issue No.	17
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Concrete Foundations			37.254970 °	37.254970 °
				-120.718450 °	-120.718450 °
DWR ID	DWR_NA0010_34_t_2012_17				
Action/Comments					
Inspector Comments: No visible erosion near foundation. Unable to view full area due to water level. (2019)					

Photo 1 of 3 : ST_2019_NA0010_34_17_20190613_00014.jpg



Looking at upstream side of structure.

LM Start	0.00	Rating **	A	Issue No.	17 (cont)
LM End	0.00	Issue Type +	Ma	Location *	

Photo 2 of 3 : ST_2019_NA0010_34_17_20190613_00015.jpg



Looking at downstream side of structure.

LM Start	0.00	Rating **	A	Issue No.	17 (cont)
LM End	0.00	Issue Type +	Ma	Location *	

Photo 3 of 3 : ST_2019_NA0010_34_17_20190613_00016.jpg



Looking at left wing wall on upstream side of structure.

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Bear Creek Diversion Structure		07/30/2019 07/30/2019	Corey Fujitani

LM Start	0.00	Rating **	N	Issue No.	18
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start		End	
Item	Security Fencing	37.254970 °		37.254970 °	
		-120.718450 °		-120.718450 °	
DWR ID	DWR_NA0010_34_t_2012_18				
Action/Comments					
Inspector Comments: Item does not exist on this structure.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	19
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start	End		
Item	Closure Structures	37.254970 °		37.254970 °	
		-120.718450 °		-120.718450 °	
DWR ID	DWR_NA0010_34_t_2012_19				
Action/Comments					
Inspector Comments: There is no closure structure on this structure.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	20
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Trash Rakes			37.254970 °	37.254970 °
				-120.718450 °	-120.718450 °
DWR ID	DWR_NA0010_34_t_2012_20				
Action/Comments					
Inspector Comments: Item does not exist on this structure.					

No Photos

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Bear Creek Diversion Structure		07/30/2019 07/30/2019	Corey Fujitani

LM Start	0.00	Rating **	N	Issue No.	21	
LM End	0.00	Issue Type +	Ma	Location *		
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude		
				Start		End
Item	Other Metallic Items			37.254970 °		37.254970 °
				-120.718450 °		-120.718450 °
DWR ID	DWR_NA0010_34_t_2012_21					
Action/Comments						
Inspector Comments: Item does not exist on this structure.						

No Photos

LM Start	0.00	Rating **	A	Issue No.	22
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start		End	
Item	Monolith Joints	37.254970 °		37.254970 °	
		-120.718450 °		-120.718450 °	
DWR ID	DWR_NA0010_34_t_2012_22				
Action/Comments					
Inspector Comments: Joint deterioration on the headwall joint is visible.					

Photo 1 of 1 : ST_2019_NA0010_34_22_20190802_00024.jpg



Joint deterioration on right headwall. (2019)

LM Start	0.00	Rating **	A	Issue No.	23	
LM End	0.00	Issue Type +	Ma	Location *		
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude		
				Start		End
Item	Safety			37.254970 °		37.254970 °
				-120.718450 °		-120.718450 °
DWR ID	DWR_NA0010_34_t_2012_23					
Action/Comments						
Inspector Comments: No visible hazards near the structure.						

Photo 1 of 1 : ST_2019_NA0010_34_23_20190802_00025.jpg



Handrail added to downstream side of structure. (2019)

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Bear Creek Diversion Structure		07/30/2019 07/30/2019	Corey Fujitani

LM Start	0.00	Rating **	A	Issue No.	24
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start		End	
Item	Operation & Maintenance Manual	37.254970 °		37.254970 °	
		-120.718450 °		-120.718450 °	
DWR ID	DWR_NA0010_34_t_2013_24				
Action/Comments					
Inspector Comments: The manual is on file in the office.					

No Photos

*** Location**
LS : Land Side
WS : Water Side
CR : Crown

**** Rating**
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

Flood Control Project Maintenance
Unit Cover Sheet
2019 Structure Inspection Results

Lower San Joaquin Levee District

Structure
Chowchilla Canal Bypass Control Structure

Structure Rating	A
Date of Inspection	7/31/2019
DWR Inspector	Corey Fujitani
Accompanied By	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Chowchilla Canal Bypass Control Structure		07/31/2019 07/31/2019	Corey Fujitani

LM Start	0.00	Rating **	N	Issue No.	1
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Photo Documentation			36.774021 °	36.774021 °
				-120.284476 °	-120.284476 °
DWR ID	DWR_NA0010_65_t_2017_1				
Action/Comments					
Inspector Comments: Structure appears to be properly maintained.					

Photo 1 of 3 : ST_2019_NA0010_65_1_20190806_00010.jpg



View of downstream side of structure. (2019)

LM Start	0.00	Rating **	N	Issue No.	1 (cont)
LM End	0.00	Issue Type +	Ma	Location *	

Photo 2 of 3 : ST_2019_NA0010_65_1_20190806_00011.jpg



View of the top of the structure from the left bank. (2019)

LM Start	0.00	Rating **	N	Issue No.	1 (cont)
LM End	0.00	Issue Type +	Ma	Location *	

Photo 3 of 3 : ST_2019_NA0010_65_1_20190806_00012.jpg



View of upstream side of the structure. (2019)

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Chowchilla Canal Bypass Control Structure		07/31/2019 07/31/2019	Corey Fujitani

LM Start	0.00	Rating **	A	Issue No.	2
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start		End	
Item	Vegetation & Obstructions	36.774021 °		36.774021 °	
		-120.284476 °		-120.284476 °	
DWR ID	DWR_NA0010_65_t_2017_2				
Action/Comments					
Inspector Comments: No signs of vegetation or obstructions identified.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	3	
LM End	0.00	Issue Type +	Ma	Location *		
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude		
				Start		End
Item	Shoaling / Sedimentation			36.774021 °		36.774021 °
				-120.284476 °		-120.284476 °
DWR ID	DWR_NA0010_65_t_2017_3					
Action/Comments						
Inspector Comments: No shoaling or sedimentation observed.						

No Photos

LM Start	0.00	Rating **	A	Issue No.	4	
LM End	0.00	Issue Type +	Ma	Location *		
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude		
				Start		End
Item	Erosion / Bank Caving			36.774021 °		36.774021 °
				-120.284476 °		-120.284476 °
DWR ID	DWR_NA0010_65_t_2017_4					
Action/Comments						
Inspector Comments: No visible erosion near structure.						

No Photos

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Chowchilla Canal Bypass Control Structure		07/31/2019 07/31/2019	Corey Fujitani

LM Start	0.00	Rating **	A	Issue No.	5
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start		End	
Item	Revetments	36.774021 °		36.774021 °	
		-120.284476 °		-120.284476 °	
DWR ID	DWR_NA0010_65_t_2017_5				
Action/Comments					
Inspector Comments: Revetments appear to be maintained and in good condition.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	6
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start		End	
Item	Encroachments	36.774021 °		36.774021 °	
		-120.284476 °		-120.284476 °	
DWR ID	DWR_NA0010_65_t_2017_6				
Action/Comments					
Inspector Comments: No encroachments identified near structure.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	7
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start		End	
Item	Culverts: Inlets / Outlets	36.774021 °		36.774021 °	
		-120.284476 °		-120.284476 °	
DWR ID	DWR_NA0010_65_t_2017_7				
Action/Comments					
Inspector Comments: No obstructions identified in inlets and outlets.					

Photo 1 of 1 : ST_2019_NA0010_65_7_20190806_00013.jpg



View of structure outlets. (2019)

* Location LS : Land Side WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain			

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Chowchilla Canal Bypass Control Structure		07/31/2019 07/31/2019	Corey Fujitani

LM Start	0.00	Rating **	A	Issue No.	8
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start		End	
Item	Culverts: Breaks / Holes / Cracks	36.774021 °		36.774021 °	
		-120.284476 °		-120.284476 °	
DWR ID	DWR_NA0010_65_t_2017_8				
Action/Comments					
Inspector Comments: No visible breaks/cracks/holes identified in the structure.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	9
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start		End	
Item	Metal Pipes	36.774021 °		36.774021 °	
		-120.284476 °		-120.284476 °	
DWR ID	DWR_NA0010_65_t_2017_9				
Action/Comments					
Inspector Comments: No metal pipes on this structure.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	10
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Trash Racks			36.774021 °	36.774021 °
				-120.284476 °	-120.284476 °
DWR ID	DWR_NA0010_65_t_2017_10				
Action/Comments					
Inspector Comments: There are no trash racks on this structure.					

No Photos

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Chowchilla Canal Bypass Control Structure		07/31/2019 07/31/2019	Corey Fujitani

LM Start	0.00	Rating **	N	Issue No.	11
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start		End	
Item	Flap Gates	36.774021 °		36.774021 °	
		-120.284476 °		-120.284476 °	
DWR ID	DWR_NA0010_65_t_2017_11				
Action/Comments					
Inspector Comments: There are no flap gates on this structure.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	12
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start		End	
Item	Sluice/Slide Gates	36.774021 °		36.774021 °	
		-120.284476 °		-120.284476 °	
DWR ID	DWR_NA0010_65_t_2017_12				
Action/Comments					
Inspector Comments: Gates are operable and appear to be well maintained.					

Photo 1 of 1 : ST_2019_NA0010_65_12_20190806_00014.jpg



Representative picture of the gates. (2019)

LM Start	0.00	Rating **	A	Issue No.	13
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start		End	
Item	Electric Gate Operators	36.774021 °		36.774021 °	
		-120.284476 °		-120.284476 °	
DWR ID	DWR_NA0010_65_t_2017_13				
Action/Comments					
Inspector Comments: Electric gate operators appear to be in good working condition.					

Photo 1 of 2 : ST_2019_NA0010_65_13_20190806_00015.jpg



View of electric gate operators. (2019)

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Chowchilla Canal Bypass Control Structure		07/31/2019 07/31/2019	Corey Fujitani

LM Start	0.00	Rating **	A	Issue No.	13 (cont)	
LM End	0.00	Issue Type +	Ma	Location *		
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude		
				Start	End	
Item	Electric Gate Operators			36.774021 °	36.774021 °	
				-120.284476 °	-120.284476 °	
DWR ID	DWR_NA0010_65_t_2017_13					
Action/Comments						
Inspector Comments: Electric gate operators appear to be in good working condition.						

Photo 2 of 2 : ST_2019_NA0010_65_13_20190806_00017.jpg



Representative view of electric gate controls. (2019)

LM Start	0.00	Rating **	N	Issue No.	14
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Manual Gate Operators			36.774021 °	36.774021 °
				-120.284476 °	-120.284476 °
DWR ID	DWR_NA0010_65_t_2017_14				
Action/Comments					
Inspector Comments: No manual gate operators on this structure.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	15	
LM End	0.00	Issue Type +	Ma	Location *		
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude		
				Start		End
Item	Concrete Surfaces			36.774021 °		36.774021 °
				-120.284476 °		-120.284476 °
DWR ID	DWR_NA0010_65_t_2017_15					
Action/Comments						
Inspector Comments: No visible signs of damage to concrete.						

No Photos

* Location LS : Land Side WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain			

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Chowchilla Canal Bypass Control Structure		07/31/2019 07/31/2019	Corey Fujitani

LM Start	0.00	Rating **	A	Issue No.	16
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start		End	
Item	Concrete Tilting / Settlement	36.774021 °		36.774021 °	
		-120.284476 °		-120.284476 °	
DWR ID	DWR_NA0010_65_t _ 2017_16				
Action/Comments					
Inspector Comments: No signs of tilting or settlement near the structure.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	17
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Concrete Foundations			36.774021 °	36.774021 °
				-120.284476 °	-120.284476 °
DWR ID	DWR_NA0010_65_t _ 2017_17				
Action/Comments					
Inspector Comments: No scouring or undermining visible near the structure.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	18
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Security Fencing			36.774021 °	36.774021 °
				-120.284476 °	-120.284476 °
DWR ID	DWR_NA0010_65_t _ 2017_18				
Action/Comments					
Inspector Comments: Safety security fencing appears to be in good condition with no signs of corrosion/damage.					

No Photos

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Chowchilla Canal Bypass Control Structure		07/31/2019 07/31/2019	Corey Fujitani

LM Start	0.00	Rating **	N	Issue No.	19	
LM End	0.00	Issue Type +	Ma	Location *		
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude		
				Start		End
Item	Closure Structures			36.774021 °	36.774021 °	
				-120.284476 °	-120.284476 °	
DWR ID	DWR_NA0010_65_t _ 2017_19					
Action/Comments						
Inspector Comments: This item does not exist on the structure.						

No Photos

LM Start	0.00	Rating **	N	Issue No.	20
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Trash Rakes			36.774021 °	36.774021 °
				-120.284476 °	-120.284476 °
DWR ID	DWR_NA0010_65_t _ 2017_20				
Action/Comments					
Inspector Comments: There are no trash rakes on this structure.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	21	
LM End	0.00	Issue Type +	Ma	Location *		
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude		
				Start		End
Item	Other Metallic Items			36.774021 °		36.774021 °
				-120.284476 °		-120.284476 °
DWR ID	DWR_NA0010_65_t _ 2017_21					
Action/Comments						
Inspector Comments: No visible corrosion identified. Metal parts appear to be in good condition.						

No Photos

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Chowchilla Canal Bypass Control Structure		07/31/2019 07/31/2019	Corey Fujitani

LM Start	0.00	Rating **	A	Issue No.	22
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Monolith Joints			36.774021 °	36.774021 °
				-120.284476 °	-120.284476 °
DWR ID	DWR_NA0010_65_t_2017_22				
Action/Comments					
Inspector Comments: Joint material is deteriorating, identified along the top on the roadway side of the structure and right wing wall. Recommend monitoring and repairing if the deterioration worsens.					

Photo 1 of 2 : ST_2019_NA0010_65_22_20190806_00019.jpg



Deterioration of joint material along top on roadway side of structure.
(2019)

LM Start	0.00	Rating **	A	Issue No.	22 (cont)
LM End	0.00	Issue Type +	Ma	Location *	

Photo 2 of 2 : ST_2019_NA0010_65_22_20190806_00020.jpg



Minor deterioration and vegetation growth in joint on right wing wall.
(2019)

LM Start	0.00	Rating **	A	Issue No.	23	
LM End	0.00	Issue Type +	Ma	Location *		
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude		
				Start		End
Item	Safety			36.774021 °		36.774021 °
				-120.284476 °		-120.284476 °
DWR ID	DWR_NA0010_65_t_2017_23					
Action/Comments						
Inspector Comments: No visilbe safety hazards identified.						

No Photos

* Location LS : Land Side WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain			

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Chowchilla Canal Bypass Control Structure		07/31/2019 07/31/2019	Corey Fujitani

LM Start	0.00	Rating **	A	Issue No.	24
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start		End	
Item	Operation & Maintenance Manual	36.774021 °		36.774021 °	
		-120.284476 °		-120.284476 °	
DWR ID	DWR_NA0010_65_t_2017_24				
Action/Comments					
Inspector Comments: Operator manual on file in office.					

No Photos

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Flood Control Project Maintenance
Unit Cover Sheet
2019 Structure Inspection Results

Lower San Joaquin Levee District

Structure
Eastside Bypass Control Structure

Structure Rating	A
Date of Inspection	7/30/2019
DWR Inspector	Corey Fujitani
Accompanied By	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Eastside Bypass Control Structure		07/30/2019 07/30/2019	Corey Fujitani

LM Start	0.00	Rating **	N	Issue No.	1
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Photo Documentation			37.204867 °	37.204867 °
				-120.696985 °	-120.696985 °
DWR ID	DWR_NA0010_43_t_2012_1				
Action/Comments					

Photo 1 of 3 : ST_2019_NA0010_43_1_20190805_00015.jpg



View of the upstream side of the structure. (2019)

LM Start	0.00	Rating **	N	Issue No.	1 (cont)
LM End	0.00	Issue Type +	Ma	Location *	

Photo 2 of 3 : ST_2019_NA0010_43_1_20190613_00002.jpg



View of the downstream side of the structure. (2018)

LM Start	0.00	Rating **	N	Issue No.	1 (cont)
LM End	0.00	Issue Type +	Ma	Location *	

Photo 3 of 3 : ST_2019_NA0010_43_1_20190805_00014.jpg



View across the top of the structure from the left bank. (2019)

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Eastside Bypass Control Structure		07/30/2019 07/30/2019	Corey Fujitani

LM Start	0.00	Rating **	A	Issue No.	2
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start		End	
Item	Vegetation & Obstructions	37.204867 °		37.204867 °	
		-120.696985 °		-120.696985 °	
DWR ID	DWR_NA0010_43_t_2012_2				
Action/Comments					
Inspector Comments: No visible vegetation issues.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	3	
LM End	0.00	Issue Type +	Ma	Location *		
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude		
				Start		End
Item	Shoaling / Sedimentation			37.204867 °		37.204867 °
				-120.696985 °		-120.696985 °
DWR ID	DWR_NA0010_43_t_2017_3					
Action/Comments						
Inspector Comments: No visible sedimentation, unable to view full area due to water levels.						

No Photos

LM Start	0.00	Rating **	A	Issue No.	4
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			37.204867 °	37.204867 °
				-120.696985 °	-120.696985 °
DWR ID	DWR_NA0010_43_t_2012_4				
Action/Comments					
Inspector Comments: No active erosion present.					

No Photos

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Eastside Bypass Control Structure		07/30/2019 07/30/2019	Corey Fujitani

LM Start	0.00	Rating **	A	Issue No.	5
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start		End	
Item	Revetments	37.204867 °		37.204867 °	
		-120.696985 °		-120.696985 °	
DWR ID	DWR_NA0010_43_t_2019_5				
Action/Comments					

No Photos

LM Start	0.00	Rating **	A	Issue No.	6	
LM End	0.00	Issue Type +	Ma	Location *		
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude		
				Start		End
Item	Encroachments			37.204867 °		37.204867 °
				-120.696985 °		-120.696985 °
DWR ID	DWR_NA0010_43_t_2012_6					
Action/Comments						
Inspector Comments: No encroachments identified near the structure.						

No Photos

LM Start	0.00	Rating **	A	Issue No.	7
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Culverts: Inlets / Outlets			37.204867 °	37.204867 °
				-120.696985 °	-120.696985 °
DWR ID	DWR_NA0010_43_t_2012_7				
Action/Comments					

No Photos

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Eastside Bypass Control Structure		07/30/2019 07/30/2019	Corey Fujitani

LM Start	0.00	Rating **	A	Issue No.	8
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start		End	
Item	Culverts: Breaks / Holes / Cracks	37.204867 °		37.204867 °	
		-120.696985 °		-120.696985 °	
DWR ID	DWR_NA0010_43_t_2012_8				
Action/Comments					
Inspector Comments: No visible problems at the culverts.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	9
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Metal Pipes			37.204867 °	37.204867 °
				-120.696985 °	-120.696985 °
DWR ID	DWR_NA0010_43_t_2012_9				
Action/Comments					
Inspector Comments: Item does not exist on this structure.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	10
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Trash Racks			37.204867 °	37.204867 °
				-120.696985 °	-120.696985 °
DWR ID	DWR_NA0010_43_t_2012_10				
Action/Comments					
Inspector Comments: Item does not exist on this structure.					

No Photos

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Eastside Bypass Control Structure		07/30/2019 07/30/2019	Corey Fujitani

LM Start	0.00	Rating **	N	Issue No.	11
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start		End	
Item	Flap Gates	37.204867 °		37.204867 °	
		-120.696985 °		-120.696985 °	
DWR ID	DWR_NA0010_43_t_2012_11				
Action/Comments					
Inspector Comments: Item does not exist on this structure.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	12
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Sluice/Slide Gates			37.204867 °	37.204867 °
				-120.696985 °	-120.696985 °
DWR ID	DWR_NA0010_43_t_2012_12				
Action/Comments					
Inspector Comments: Item appears to be adequately maintained and able to perform as intended. At least one grease fitting is not connected to hinge point on gate.					

LM Start	0.00	Rating **	A	Issue No.	12 (cont)
LM End	0.00	Issue Type +	Ma	Location *	

Photo 1 of 3 : ST_2019_NA0010_43_12_20190805_00016.jpg



Looking at typical view of control gate. (2019)

Photo 2 of 3 : ST_2019_NA0010_43_12_20190613_00005.jpg



View of control gates. (2018)

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Eastside Bypass Control Structure		07/30/2019 07/30/2019	Corey Fujitani

LM Start	0.00	Rating **	A	Issue No.	12 (cont)	
LM End	0.00	Issue Type +	Ma	Location *		
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude		
				Start		End
Item	Sluice/Slide Gates			37.204867 °		37.204867 °
				-120.696985 °		-120.696985 °
DWR ID	DWR_NA0010_43_t_2012_12					
Action/Comments						
Inspector Comments: Item appears to be adequately maintained and able to perform as intended. At least one grease fitting is not connected to hinge point on gate.						

Photo 3 of 3 : ST_2019_NA0010_43_12_20190613_00007.jpg



View of grease point that is not connected. (2017)

LM Start	0.00	Rating **	A	Issue No.	13
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start		End	
Item	Electric Gate Operators	37.204867 °		37.204867 °	
		-120.696985 °		-120.696985 °	
DWR ID	DWR_NA0010_43_t_2012_13				
Action/Comments					
Inspector Comments: Gate operators perform as intended and appear to be adequately maintained.					

Photo 1 of 3 : ST_2019_NA0010_43_13_20190805_00017.jpg



View of electric gate motors. (2019)

LM Start	0.00	Rating **	A	Issue No.	13 (cont)
LM End	0.00	Issue Type +	Ma	Location *	

Photo 2 of 3 : ST_2019_NA0010_43_13_20190806_00023.jpg



Typical view of electric gate controls. (2019)

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Eastside Bypass Control Structure		07/30/2019 07/30/2019	Corey Fujitani

LM Start	0.00	Rating **	A	Issue No.	13 (cont)	
LM End	0.00	Issue Type +	Ma	Location *		
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude		
				Start	End	
Item	Electric Gate Operators			37.204867 °	37.204867 °	
				-120.696985 °	-120.696985 °	
DWR ID	DWR_NA0010_43_t_2012_13					
Action/Comments						
Inspector Comments: Gate operators perform as intended and appear to be adequately maintained.						

Photo 3 of 3 : ST_2019_NA0010_43_13_20190613_00009.jpg



View of control panel. (2018)

LM Start	0.00	Rating **	N	Issue No.	14
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Manual Gate Operators			37.204867 °	37.204867 °
				-120.696985 °	-120.696985 °
DWR ID	DWR_NA0010_43_t_2017_14				
Action/Comments					
Inspector Comments: Item does not exist on this structure.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	15
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Concrete Surfaces			37.204867 °	37.204867 °
				-120.696985 °	-120.696985 °
DWR ID	DWR_NA0010_43_t_2012_15				
Action/Comments					
Inspector Comments: Item appears to be acceptably maintained.					

No Photos

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Eastside Bypass Control Structure		07/30/2019 07/30/2019	Corey Fujitani

LM Start	0.00	Rating **	A	Issue No.	16
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start		End	
Item	Concrete Tilting / Settlement	37.204867 °		37.204867 °	
		-120.696985 °		-120.696985 °	
DWR ID	DWR_NA0010_43_t_2012_16				
Action/Comments					
Inspector Comments: No visible movement at or near structure.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	17
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start		End	
Item	Concrete Foundations	37.204867 °		37.204867 °	
		-120.696985 °		-120.696985 °	
DWR ID	DWR_NA0010_43_t_2012_17				
Action/Comments					
Inspector Comments: No visible erosion near foundation, unable to view full area due to water levels.					

Photo 1 of 2 : ST_2019_NA0010_43_17_20190613_00010.jpg



Looking at downstream side of structure. (2017)

Photo 2 of 2 : ST_2019_NA0010_43_17_20190613_00011.jpg



Looking at typical of control structure bay. (2017)

LM Start	0.00	Rating **	A	Issue No.	17 (cont)
LM End	0.00	Issue Type +	Ma	Location *	

* Location
LS : Land Side
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Eastside Bypass Control Structure		07/30/2019 07/30/2019	Corey Fujitani

LM Start	0.00	Rating **	A	Issue No.	18
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Security Fencing			37.204867 °	37.204867 °
				-120.696985 °	-120.696985 °
DWR ID	DWR_NA0010_43_t_2012_18				
Action/Comments					
Inspector Comments: Security fencing around electrical house is in good condition.					

Photo 1 of 1 : ST_2019_NA0010_43_18_20190805_00018.jpg



View of security fencing around electrical housing. (2019)

LM Start	0.00	Rating **	A	Issue No.	19
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Closure Structures			37.204867 °	37.204867 °
				-120.696985 °	-120.696985 °
DWR ID	DWR_NA0010_43_t_2012_19				
Action/Comments					
Inspector Comments: No visible problem with stoplogs on upstream side of structure.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	20
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Trash Rakes			37.204867 °	37.204867 °
				-120.696985 °	-120.696985 °
DWR ID	DWR_NA0010_43_t_2012_20				
Action/Comments					
Inspector Comments: Item does not exist on this structure.					

No Photos

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Eastside Bypass Control Structure		07/30/2019 07/30/2019	Corey Fujitani

LM Start	0.00	Rating **	A	Issue No.	21
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start		End	
Item	Other Metallic Items	37.204867 °		37.204867 °	
		-120.696985 °		-120.696985 °	
DWR ID	DWR_NA0010_43_t_2012_21				
Action/Comments					
Inspector Comments: Minor rust on control gates but does not impact function.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	22
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start		End	
Item	Monolith Joints	37.204867 °		37.204867 °	
		-120.696985 °		-120.696985 °	
DWR ID	DWR_NA0010_43_t_2012_22				
Action/Comments					
Inspector Comments: Minor joint deterioration at wingwalls.					

Photo 1 of 2 : ST_2019_NA0010_43_22_20190805_00021.jpg



View of monolith joint at right wingwall. (2019)

Photo 2 of 2 : ST_2019_NA0010_43_22_20190805_00022.jpg



View of monolith joint at left wingwall. (2019)

LM Start	0.00	Rating **	A	Issue No.	22 (cont)
LM End	0.00	Issue Type +	Ma	Location *	

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Eastside Bypass Control Structure		07/30/2019 07/30/2019	Corey Fujitani

LM Start	0.00	Rating **	A	Issue No.	23
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start		End	
Item	Safety	37.204867 °		37.204867 °	
		-120.696985 °		-120.696985 °	
DWR ID	DWR_NA0010_43_t_2012_23				
Action/Comments					
Inspector Comments: No safety issues identified.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	24
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Operation & Maintenance Manual			37.204867 °	37.204867 °
				-120.696985 °	-120.696985 °
DWR ID	DWR_NA0010_43_t_2013_24				
Action/Comments					
Inspector Comments: The O&M manual is on file in the office.					

No Photos

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

Flood Control Project Maintenance
Unit Cover Sheet
2019 Structure Inspection Results

Lower San Joaquin Levee District

Structure
Eastside Bypass Drop Structure No. 1

Structure Rating	A
Date of Inspection	7/31/2019
DWR Inspector	Corey Fujitani
Accompanied By	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Eastside Bypass Drop Structure No. 1		07/31/2019 07/31/2019	Corey Fujitani

LM Start	0.00	Rating **	N	Issue No.	1
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Photo Documentation			36.975666 °	36.975666 °
				-120.382143 °	-120.382143 °
DWR ID	DWR_NA0010_29_t_2012_1				
Action/Comments					

Photo 1 of 3 : ST_2019_NA0010_29_1_20190806_00022.jpg



Overview of structure from the left bank. (2019)

LM Start	0.00	Rating **	N	Issue No.	1 (cont)
LM End	0.00	Issue Type +	Ma	Location *	

Photo 2 of 3 : ST_2019_NA0010_29_1_20190806_00019.jpg



View of right wing wall. (2019)

LM Start	0.00	Rating **	N	Issue No.	1 (cont)
LM End	0.00	Issue Type +	Ma	Location *	

Photo 3 of 3 : ST_2019_NA0010_29_1_20190806_00021.jpg



View of left wing wall. (2019)

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Eastside Bypass Drop Structure No. 1		07/31/2019 07/31/2019	Corey Fujitani

LM Start	0.00	Rating **	A	Issue No.	2
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start		End	
Item	Vegetation & Obstructions	36.975666 °		36.975666 °	
		-120.382143 °		-120.382143 °	
DWR ID	DWR_NA0010_29_t_2012_2				
Action/Comments					
Inspector Comments: No visible vegetation issues were identified.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	3	
LM End	0.00	Issue Type +	Ma	Location *		
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude		
				Start		End
Item	Shoaling / Sedimentation			36.975666 °		36.975666 °
				-120.382143 °		-120.382143 °
DWR ID	DWR_NA0010_29_t_2012_3					
Action/Comments						
Inspector Comments: No sedimentation near structure observed.						

No Photos

LM Start	0.00	Rating **	M	Issue No.	4
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start		End	
Item	Erosion / Bank Caving	36.975666 °		36.975666 °	
		-120.382143 °		-120.382143 °	
DWR ID	DWR_NA0010_29_t_2012_4				
Action/Comments					
Inspector Comments: Some caving on right wing wall(north side)					

Photo 1 of 3 : ST_2019_NA0010_29_4_20190807_00023.jpg



View of erosion/caving on right wing wall. (2019)

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Eastside Bypass Drop Structure No. 1		07/31/2019 07/31/2019	Corey Fujitani

LM Start	0.00	Rating **	M	Issue No.	4 (cont)	
LM End	0.00	Issue Type +	Ma	Location *		
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude		
				Start		End
Item	Erosion / Bank Caving			36.975666 °	36.975666 °	
				-120.382143 °	-120.382143 °	
DWR ID	DWR_NA0010_29_t_2012_4					
Action/Comments						
Inspector Comments: Some caving on right wing wall(north side)						

Photo 2 of 3 : ST_2019_NA0010_29_4_20190613_00006.jpg



View of erosion/caving on right wing wall (North side) (Summer 2017)

LM Start	0.00	Rating **	M	Issue No.	4 (cont)
LM End	0.00	Issue Type +	Ma	Location *	

Photo 3 of 3 : ST_2019_NA0010_29_4_20190613_00009.jpg



Looking at erosion/caving on right wing wall on summer 2014.

LM Start	0.00	Rating **	A	Issue No.	5	
LM End	0.00	Issue Type +	Ma	Location *		
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude		
				Start	End	
Item	Revetments			36.975666 °	36.975666 °	
				-120.382143 °	-120.382143 °	
DWR ID	DWR_NA0010_29_t_2012_5					
Action/Comments						
Inspector Comments: Item appears to be acceptably maintained						

Photo 1 of 2 : ST_2019_NA0010_29_5_20190807_00026.jpg



View of revetment looking towards right wing wall. (2019)

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Eastside Bypass Drop Structure No. 1		07/31/2019 07/31/2019	Corey Fujitani

LM Start	0.00	Rating **	A	Issue No.	5 (cont)	
LM End	0.00	Issue Type +	Ma	Location *		
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude		
				Start		End
Item	Revetments			36.975666 °		36.975666 °
				-120.382143 °		-120.382143 °
DWR ID	DWR_NA0010_29_t_2012_5					
Action/Comments						
Inspector Comments: Item appears to be acceptably maintained						

Photo 2 of 2 : ST_2019_NA0010_29_5_20190613_00010.jpg



View of revetment looking towards right wing wall. (2018)

LM Start	0.00	Rating **	A	Issue No.	6
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			36.975666 °	36.975666 °
				-120.382143 °	-120.382143 °
DWR ID	DWR_NA0010_29_t_2012_6				
Action/Comments					
Inspector Comments: No visible encroachments near structure.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	7
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Culverts: Inlets / Outlets			36.975666 °	36.975666 °
				-120.382143 °	-120.382143 °
DWR ID	DWR_NA0010_29_t_2012_7				
Action/Comments					
Inspector Comments: Item does not exist on this structure.					

No Photos

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Eastside Bypass Drop Structure No. 1		07/31/2019 07/31/2019	Corey Fujitani

LM Start	0.00	Rating **	N	Issue No.	8	
LM End	0.00	Issue Type +	Ma	Location *		
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude				
		Start		End		
Item	Culverts: Breaks / Holes / Cracks	36.975666 °		36.975666 °		
		-120.382143 °		-120.382143 °		
DWR ID	DWR_NA0010_29_t_2012_8					
Action/Comments						
Inspector Comments: Item does not exist on this structure.						

No Photos

LM Start	0.00	Rating **	N	Issue No.	9
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start		End	
Item	Metal Pipes	36.975666 °		36.975666 °	
		-120.382143 °		-120.382143 °	
DWR ID	DWR_NA0010_29_t_2012_9				
Action/Comments					
Inspector Comments: Item does not exist on this structure.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	10
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start		End	
Item	Trash Racks	36.975666 °		36.975666 °	
		-120.382143 °		-120.382143 °	
DWR ID	DWR_NA0010_29_t_2012_10				
Action/Comments					
Inspector Comments: Item does not exist on this structure.					

No Photos

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Eastside Bypass Drop Structure No. 1		07/31/2019 07/31/2019	Corey Fujitani

LM Start	0.00	Rating **	N	Issue No.	11
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start		End	
Item	Flap Gates	36.975666 °		36.975666 °	
		-120.382143 °		-120.382143 °	
DWR ID	DWR_NA0010_29_t_2012_11				
Action/Comments					
Inspector Comments: Item does not exist on this structure.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	12
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start		End	
Item	Sluice/Slide Gates	36.975666 °		36.975666 °	
		-120.382143 °		-120.382143 °	
DWR ID	DWR_NA0010_29_t_2012_12				
Action/Comments					
Inspector Comments: Item does not exist on this structure.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	13
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Electric Gate Operators			36.975666 °	36.975666 °
				-120.382143 °	-120.382143 °
DWR ID	DWR_NA0010_29_t_2012_13				
Action/Comments					
Inspector Comments: Item does not exist on this structure.					

No Photos

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Eastside Bypass Drop Structure No. 1		07/31/2019 07/31/2019	Corey Fujitani

LM Start	0.00	Rating **	N	Issue No.	14
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start		End	
Item	Manual Gate Operators	36.975666 °		36.975666 °	
		-120.382143 °		-120.382143 °	
DWR ID	DWR_NA0010_29_t_2012_14				
Action/Comments					
Inspector Comments: Item does not exist on this structure.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	15
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start	End		
Item	Concrete Surfaces	36.975666 °		36.975666 °	
		-120.382143 °		-120.382143 °	
DWR ID	DWR_NA0010_29_t_2012_15				
Action/Comments					
Inspector Comments: Negligible spalling present on both wing walls. Small crack at head wall.					

Photo 1 of 3 : ST_2019_NA0010_29_15_20190613_00012.jpg



Minor spalling on right wing wall (North side) (2018)

Photo 2 of 3 : ST_2019_NA0010_29_15_20190613_00013.jpg



Minor spalling on left wing wall (South side) (Summer 2017)

* Location LS : Land Side WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain			

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Eastside Bypass Drop Structure No. 1		07/31/2019 07/31/2019	Corey Fujitani

LM Start	0.00	Rating **	A	Issue No.	15 (cont)	
LM End	0.00	Issue Type +	Ma	Location *		
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude		
				Start		End
Item	Concrete Surfaces			36.975666 °		36.975666 °
				-120.382143 °		-120.382143 °
DWR ID	DWR_NA0010_29_t_2012_15					
Action/Comments						
Inspector Comments: Negligible spalling present on both wing walls. Small crack at head wall.						

Photo 3 of 3 : ST_2019_NA0010_29_15_20190613_00014.jpg



Small crack at head wall. (2018)

LM Start	0.00	Rating **	A	Issue No.	16
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start		End	
Item	Concrete Tilting / Settlement	36.975666 °		36.975666 °	
		-120.382143 °		-120.382143 °	
DWR ID	DWR_NA0010_29_t_2012_16				
Action/Comments					
Inspector Comments: No visible settlement near the structure.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	17
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start		End	
Item	Concrete Foundations	36.975666 °		36.975666 °	
		-120.382143 °		-120.382143 °	
DWR ID	DWR_NA0010_29_t_2012_17				
Action/Comments					
Inspector Comments: No undermining of the structure is visible.					

No Photos

* Location LS : Land Side WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain			

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Eastside Bypass Drop Structure No. 1		07/31/2019 07/31/2019	Corey Fujitani

LM Start	0.00	Rating **	N	Issue No.	18
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start		End	
Item	Security Fencing	36.975666 °		36.975666 °	
		-120.382143 °		-120.382143 °	
DWR ID	DWR_NA0010_29_t_2017_18				
Action/Comments					
Inspector Comments: Item does not exist on this structure.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	19
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start		End	
Item	Closure Structures	36.975666 °		36.975666 °	
		-120.382143 °		-120.382143 °	
DWR ID	DWR_NA0010_29_t_2012_19				
Action/Comments					
Inspector Comments: Item does not exist on this structure.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	20
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Trash Rakes			36.975666 °	36.975666 °
				-120.382143 °	-120.382143 °
DWR ID	DWR_NA0010_29_t_2012_20				
Action/Comments					
Inspector Comments: Item does not exist on this structure.					

No Photos

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Eastside Bypass Drop Structure No. 1		07/31/2019 07/31/2019	Corey Fujitani

LM Start	0.00	Rating **	N	Issue No.	21
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start		End	
Item	Other Metallic Items	36.975666 °		36.975666 °	
		-120.382143 °		-120.382143 °	
DWR ID	DWR_NA0010_29_t_2012_21				
Action/Comments					
Inspector Comments: No metallic parts at this structure.					

No Photos

LM Start	0.00	Rating **	M	Issue No.	22
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start	End		
Item	Monolith Joints	36.975666 °		36.975666 °	
		-120.382143 °		-120.382143 °	
DWR ID	DWR_NA0010_29_t_2012_22				
Action/Comments					
Inspector Comments: Some minor movement and rubber seal missing at the wing wall joint on south wingwall.					

LM Start	0.00	Rating **	M	Issue No.	22 (cont)
LM End	0.00	Issue Type +	Ma	Location *	

Photo 1 of 4 : ST_2019_NA0010_29_22_20190613_00015.jpg



View of left wing wall with missing gasket. (2017)

Photo 2 of 4 : ST_2019_NA0010_29_22_20190613_00016.jpg



Looking at left wing wall joint missing rubber gasket. (2017)

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Eastside Bypass Drop Structure No. 1		07/31/2019 07/31/2019	Corey Fujitani

LM Start	0.00	Rating **	M	Issue No.	22 (cont)
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Monolith Joints			36.975666 °	36.975666 °
				-120.382143 °	-120.382143 °
DWR ID	DWR_NA0010_29_t_2012_22				
Action/Comments					
Inspector Comments: Some minor movement and rubber seal missing at the wing wall joint on south wingwall.					

Photo 3 of 4 : ST_2019_NA0010_29_22_20190613_00017.jpg



Looking at top view of right wing wall. (2017)

LM Start	0.00	Rating **	M	Issue No.	22 (cont)
LM End	0.00	Issue Type +	Ma	Location *	

Photo 4 of 4 : ST_2019_NA0010_29_22_20190613_00018.jpg



Looking at right wing wall. (2017)

LM Start	0.00	Rating **	A	Issue No.	23
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Safety			36.975666 °	36.975666 °
				-120.382143 °	-120.382143 °
DWR ID	DWR_NA0010_29_t_2012_23				
Action/Comments					
Inspector Comments: No visible safety issues identified.					

No Photos

* Location
LS : Land Side
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Eastside Bypass Drop Structure No. 1		07/31/2019 07/31/2019	Corey Fujitani

LM Start	0.00	Rating **	A	Issue No.	24
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Operation & Maintenance Manual			36.975666 °	36.975666 °
				-120.382143 °	-120.382143 °
DWR ID	DWR_NA0010_29_t_2013_24				
Action/Comments					
Inspector Comments: The O&M manual is on file in the office.					

No Photos

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Flood Control Project Maintenance**Unit Cover Sheet****2019 Structure Inspection Results****Lower San Joaquin Levee District**

Structure
Eastside Bypass Drop Structure No. 2

Structure Rating	A
Date of Inspection	7/31/2019
DWR Inspector	Corey Fujitani
Accompanied By	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Eastside Bypass Drop Structure No. 2		07/31/2019 07/31/2019	Corey Fujitani

LM Start	0.00	Rating **	N	Issue No.	1
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Photo Documentation			36.975706°	36.975706°
				-120.374885°	-120.374885°
DWR ID	DWR_NA0010_30_t_2012_1				
Action/Comments					

Photo 1 of 3 : ST_2019_NA0010_30_1_20190613_00001.jpg



Overview of structure looking upstream from left bank. (2018)

Photo 2 of 3 : ST_2019_NA0010_30_1_20190807_00009.jpg



View of the left wing wall. (2019)

Photo 3 of 3 : ST_2019_NA0010_30_1_20190807_00010.jpg



View of the right wing wall. (2019)

LM Start	0.00	Rating **	N	Issue No.	1 (cont)
LM End	0.00	Issue Type +	Ma	Location *	

LM Start	0.00	Rating **	N	Issue No.	1 (cont)
LM End	0.00	Issue Type +	Ma	Location *	

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Eastside Bypass Drop Structure No. 2		07/31/2019 07/31/2019	Corey Fujitani

LM Start	0.00	Rating **	A	Issue No.	2
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start		End	
Item	Vegetation & Obstructions	36.975706 °		36.975706 °	
		-120.374885 °		-120.374885 °	
DWR ID	DWR_NA0010_30_t_2012_2				
Action/Comments					
Inspector Comments: No vegetation or obstructions were present.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	3	
LM End	0.00	Issue Type +	Ma	Location *		
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude		
				Start		End
Item	Shoaling / Sedimentation			36.975706 °		36.975706 °
				-120.374885 °		-120.374885 °
DWR ID	DWR_NA0010_30_t_2012_3					
Action/Comments						
Inspector Comments: No sedimentation or shoaling present.						

No Photos

LM Start	0.00	Rating **	A	Issue No.	4	
LM End	0.00	Issue Type +	Ma	Location *		
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude		
				Start		End
Item	Erosion / Bank Caving			36.975706 °		36.975706 °
				-120.374885 °		-120.374885 °
DWR ID	DWR_NA0010_30_t_2012_4					
Action/Comments						
Inspector Comments: No visible erosion or caving present.						

No Photos

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Eastside Bypass Drop Structure No. 2		07/31/2019 07/31/2019	Corey Fujitani

LM Start	0.00	Rating **	A	Issue No.	5
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Revetments			36.975706 °	36.975706 °
				-120.374885 °	-120.374885 °
DWR ID	DWR_NA0010_30_t_2012_5				
Action/Comments					
Inspector Comments: Revetment appears to be properly maintained.					

Photo 1 of 2 : ST_2019_NA0010_30_5_20190807_00011.jpg



View of downstream revetment from right wing wall. (2019)

LM Start	0.00	Rating **	A	Issue No.	5 (cont)
LM End	0.00	Issue Type +	Ma	Location *	

Photo 2 of 2 : ST_2019_NA0010_30_5_20190613_00003.jpg



View of downstream revetment. (2018)

LM Start	0.00	Rating **	A	Issue No.	6
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			36.975706 °	36.975706 °
				-120.374885 °	-120.374885 °
DWR ID	DWR_NA0010_30_t_2012_6				
Action/Comments					
Inspector Comments: No visible encroachments.					

No Photos

*** Location**
LS : Land Side
WS : Water Side
CR : Crown

**** Rating**
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Eastside Bypass Drop Structure No. 2		07/31/2019 07/31/2019	Corey Fujitani

LM Start	0.00	Rating **	N	Issue No.	7
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start		End	
Item	Culverts: Inlets / Outlets	36.975706 °		36.975706 °	
		-120.374885 °		-120.374885 °	
DWR ID	DWR_NA0010_30_t_2012_7				
Action/Comments					
Inspector Comments: This item does not exist at this structure.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	8
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Culverts: Breaks / Holes / Cracks			36.975706 °	36.975706 °
				-120.374885 °	-120.374885 °
DWR ID	DWR_NA0010_30_t_2012_8				
Action/Comments					
Inspector Comments: This item does not exist at this structure.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	9	
LM End	0.00	Issue Type +	Ma	Location *		
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude		
				Start		End
Item	Metal Pipes			36.975706 °		36.975706 °
				-120.374885 °		-120.374885 °
DWR ID	DWR_NA0010_30_t_2012_9					
Action/Comments						
Inspector Comments: This item does not exist at this structure.						

No Photos

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Eastside Bypass Drop Structure No. 2		07/31/2019 07/31/2019	Corey Fujitani

LM Start	0.00	Rating **	N	Issue No.	10
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start		End	
Item	Trash Racks	36.975706 °		36.975706 °	
		-120.374885 °		-120.374885 °	
DWR ID	DWR_NA0010_30_t_2012_10				
Action/Comments					
Inspector Comments: This item does not exist at this structure.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	11
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Flap Gates			36.975706 °	36.975706 °
				-120.374885 °	-120.374885 °
DWR ID	DWR_NA0010_30_t_2012_11				
Action/Comments					
Inspector Comments: This item does not exist at this structure.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	12	
LM End	0.00	Issue Type +	Ma	Location *		
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude		
				Start		End
Item	Sluice/Slide Gates			36.975706 °		36.975706 °
				-120.374885 °		-120.374885 °
DWR ID	DWR_NA0010_30_t_2012_12					
Action/Comments						
Inspector Comments: This item does not exist at this structure.						

No Photos

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Eastside Bypass Drop Structure No. 2		07/31/2019 07/31/2019	Corey Fujitani

LM Start	0.00	Rating **	N	Issue No.	13
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start		End	
Item	Electric Gate Operators	36.975706 °		36.975706 °	
		-120.374885 °		-120.374885 °	
DWR ID	DWR_NA0010_30_t_2012_13				
Action/Comments					
Inspector Comments: This item does not exist at this structure.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	14
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Manual Gate Operators			36.975706 °	36.975706 °
				-120.374885 °	-120.374885 °
DWR ID	DWR_NA0010_30_t_2012_14				
Action/Comments					
Inspector Comments: This item does not exist at this structure.					

No Photos

LM Start	0.00	Rating **	M	Issue No.	15	
LM End	0.00	Issue Type +	Ma	Location *		
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude		
				Start		End
Item	Concrete Surfaces			36.975706 °		36.975706 °
				-120.374885 °		-120.374885 °
DWR ID	DWR_NA0010_30_t_2012_15					
Action/Comments						
Inspector Comments: Damage to dissipator near right wing wall.						

Photo 1 of 1 : ST_2019_NA0010_30_15_20190807_00012.jpg



Dissipator near right wing wall is damaged. (2019)

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Eastside Bypass Drop Structure No. 2		07/31/2019 07/31/2019	Corey Fujitani

LM Start	0.00	Rating **	A	Issue No.	16
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start		End	
Item	Concrete Tilting / Settlement	36.975706 °		36.975706 °	
		-120.374885 °		-120.374885 °	
DWR ID	DWR_NA0010_30_t_2012_16				
Action/Comments					
Inspector Comments: No visible movement or settlement was present during inspection.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	17
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start	End		
Item	Concrete Foundations	36.975706 °		36.975706 °	
		-120.374885 °		-120.374885 °	
DWR ID	DWR_NA0010_30_t_2012_17				
Action/Comments					
Inspector Comments: No visible erosion or undermining near the structure identified.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	18
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start	End		
Item	Security Fencing	36.975706 °		36.975706 °	
		-120.374885 °		-120.374885 °	
DWR ID	DWR_NA0010_30_t_2012_18				
Action/Comments					
Inspector Comments: This item does not exist at this structure.					

No Photos

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Eastside Bypass Drop Structure No. 2		07/31/2019 07/31/2019	Corey Fujitani

LM Start	0.00	Rating **	N	Issue No.	19
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start		End	
Item	Closure Structures	36.975706 °		36.975706 °	
		-120.374885 °		-120.374885 °	
DWR ID	DWR_NA0010_30_t_2012_19				
Action/Comments					
Inspector Comments: This item does not exist at this structure.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	20
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start		End	
Item	Trash Rakes	36.975706 °		36.975706 °	
		-120.374885 °		-120.374885 °	
DWR ID	DWR_NA0010_30_t_2012_20				
Action/Comments					
Inspector Comments: This item does not exist at this structure.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	21
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Other Metallic Items			36.975706 °	36.975706 °
				-120.374885 °	-120.374885 °
DWR ID	DWR_NA0010_30_t_2012_21				
Action/Comments					
Inspector Comments: This item does not exist at this structure.					

No Photos

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Eastside Bypass Drop Structure No. 2		07/31/2019 07/31/2019	Corey Fujitani

LM Start	0.00	Rating **	M	Issue No.	22
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Monolith Joints			36.975706°	36.975706°
				-120.374885°	-120.374885°
DWR ID	DWR_NA0010_30_t_2018_22				
Action/Comments					
Inspector Comments: Rubber seal deteriorated between the joints of structure.					

Photo 1 of 4 : ST_2019_NA0010_30_22_20190807_00013.jpg



Joint deterioration at left headwall. (2019)

LM Start	0.00	Rating **	M	Issue No.	22 (cont)
LM End	0.00	Issue Type +	Ma	Location *	

Photo 2 of 4 : ST_2019_NA0010_30_22_20190613_00006.jpg



Close up view of joint deterioration on left side of structure. (2018)

LM Start	0.00	Rating **	M	Issue No.	22 (cont)
LM End	0.00	Issue Type +	Ma	Location *	

Photo 3 of 4 : ST_2019_NA0010_30_22_20190807_00014.jpg



Joint deterioration on left wing wall. (2019)

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Eastside Bypass Drop Structure No. 2		07/31/2019 07/31/2019	Corey Fujitani

LM Start	0.00	Rating **	M	Issue No.	22 (cont)	
LM End	0.00	Issue Type +	Ma	Location *		
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude		
				Start		End
Item	Monolith Joints			36.975706 °		36.975706 °
				-120.374885 °		-120.374885 °
DWR ID	DWR_NA0010_30_t_2018_22					
Action/Comments						
Inspector Comments: Rubber seal deteriorated between the joints of structure.						

Photo 4 of 4 : ST_2019_NA0010_30_22_20190613_00008.jpg



Joint deterioration on left bank at wingwall (2017)

LM Start	0.00	Rating **	A	Issue No.	23
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Safety			36.975706 °	36.975706 °
				-120.374885 °	-120.374885 °
DWR ID	DWR_NA0010_30_t_2012_23				
Action/Comments					
Inspector Comments: No visible safety hazards.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	24
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Operation & Maintenance Manual			36.975706 °	36.975706 °
				-120.374885 °	-120.374885 °
DWR ID	DWR_NA0010_30_t_2013_24				
Action/Comments					
Inspector Comments: The O&M manual is on file in the office.					

No Photos

* Location LS : Land Side WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain			

Flood Control Project Maintenance
Unit Cover Sheet
2019 Structure Inspection Results

Lower San Joaquin Levee District

Structure
Fresno River Drainage Structure

Structure Rating	A
Date of Inspection	7/31/2019
DWR Inspector	Corey Fujitani
Accompanied By	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Fresno River Drainage Structure		07/31/2019 07/31/2019	Corey Fujitani

LM Start	0.00	Rating **	N	Issue No.	1
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Photo Documentation			36.975418 °	36.975418 °
				-120.359578 °	-120.359578 °
DWR ID	DWR_NA0010_39_t_2012_1				
Action/Comments					

Photo 1 of 3 : ST_2019_NA0010_39_1_20190807_00013.jpg



View of control gates looking south. (2019)

LM Start	0.00	Rating **	N	Issue No.	1 (cont)
LM End	0.00	Issue Type +	Ma	Location *	

Photo 2 of 3 : ST_2019_NA0010_39_1_20190807_00012.jpg



View of inlet side of the structure. (2019)

LM Start	0.00	Rating **	N	Issue No.	1 (cont)
LM End	0.00	Issue Type +	Ma	Location *	

Photo 3 of 3 : ST_2019_NA0010_39_1_20190613_00003.jpg



View of outlet side of structure looking southeast (Summer 2017)

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Fresno River Drainage Structure		07/31/2019 07/31/2019	Corey Fujitani

LM Start	0.00	Rating **	A	Issue No.	2
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start		End	
Item	Vegetation & Obstructions	36.975418 °		36.975418 °	
		-120.359578 °		-120.359578 °	
DWR ID	DWR_NA0010_39_t_2017_2				
Action/Comments					
Inspector Comments: No vegetation issues identified at the inlet or outlet of the structure.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	3	
LM End	0.00	Issue Type +	Ma	Location *		
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude		
				Start		End
Item	Shoaling / Sedimentation			36.975418 °		36.975418 °
				-120.359578 °		-120.359578 °
DWR ID	DWR_NA0010_39_t_2012_3					
Action/Comments						
Inspector Comments: No shoaling or sedimentation issues were visible during inspection.						

No Photos

LM Start	0.00	Rating **	A	Issue No.	4	
LM End	0.00	Issue Type +	Ma	Location *		
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude		
				Start		End
Item	Erosion / Bank Caving			36.975418 °		36.975418 °
				-120.359578 °		-120.359578 °
DWR ID	DWR_NA0010_39_t_2012_4					
Action/Comments						
Inspector Comments: No visible erosion identified during inspection.						

No Photos

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Fresno River Drainage Structure		07/31/2019 07/31/2019	Corey Fujitani

LM Start	0.00	Rating **	N	Issue No.	5	
LM End	0.00	Issue Type +	Ma	Location *		
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude		
				Start		End
Item	Revetments			36.975418 °		36.975418 °
				-120.359578 °		-120.359578 °
DWR ID	DWR_NA0010_39_t_2012_5					
Action/Comments						
Inspector Comments: No revetment at this location.						

No Photos

LM Start	0.00	Rating **	M	Issue No.	6
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start	End		
Item	Encroachments	36.975418 °		36.975418 °	
		-120.359578 °		-120.359578 °	
DWR ID	DWR_NA0010_39_t_2012_6				
Action/Comments					
Inspector Comments: Wood planks used to prop open outlet flap gates.					

Photo 1 of 1 : ST_2019_NA0010_39_6_20190807_00014.jpg



Wood planks used to prop open flap gates. (2019)

LM Start	0.00	Rating **	A	Issue No.	7
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start		End	
Item	Culverts: Inlets / Outlets	36.975418 °		36.975418 °	
		-120.359578 °		-120.359578 °	
DWR ID	DWR_NA0010_39_t_2012_7				
Action/Comments					
Inspector Comments: Culverts are clear of obstructions. Wood planks were used to prop open the flap gates (see issue 6).					

Photo 1 of 2 : ST_2019_NA0010_39_7_20190807_00015.jpg



View of inlet side of structure. (2019)

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Fresno River Drainage Structure		07/31/2019 07/31/2019	Corey Fujitani

LM Start	0.00	Rating **	A	Issue No.	7 (cont)	
LM End	0.00	Issue Type +	Ma	Location *		
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude		
				Start		End
Item	Culverts: Inlets / Outlets			36.975418 °		36.975418 °
				-120.359578 °		-120.359578 °
DWR ID	DWR_NA0010_39_t_2012_7					
Action/Comments						
Inspector Comments: Culverts are clear of obstructions. Wood planks were used to prop open the flap gates (see issue 6).						

Photo 2 of 2 : ST_2019_NA0010_39_7_20190807_00016.jpg



View of outlet side of structure. Wood planks have been placed to prop open flap gates. (2019)

LM Start	0.00	Rating **	A	Issue No.	8
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start		End	
Item	Culverts: Breaks / Holes / Cracks	36.975418 °		36.975418 °	
		-120.359578 °		-120.359578 °	
DWR ID	DWR_NA0010_39_t_2012_8				
Action/Comments					
Inspector Comments: No visible issues identified in the culverts.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	9
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start		End	
Item	Metal Pipes	36.975418 °		36.975418 °	
		-120.359578 °		-120.359578 °	
DWR ID	DWR_NA0010_39_t_2012_9				
Action/Comments					
Inspector Comments: Item does not exist on this structure.					

No Photos

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Fresno River Drainage Structure		07/31/2019 07/31/2019	Corey Fujitani

LM Start	0.00	Rating **	N	Issue No.	10
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start		End	
Item	Trash Racks	36.975418 °		36.975418 °	
		-120.359578 °		-120.359578 °	
DWR ID	DWR_NA0010_39_t_2012_10				
Action/Comments					
Inspector Comments: Item does not exist on this structure.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	11
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Flap Gates			36.975418 °	36.975418 °
				-120.359578 °	-120.359578 °
DWR ID	DWR_NA0010_39_t_2012_11				
Action/Comments					
Inspector Comments: Flap gates have been propped open with wood planks.					

Photo 1 of 1 : ST_2019_NA0010_39_11_20190807_00017.jpg



Flap gates have been propped open using wood planks. (2019)

LM Start	0.00	Rating **	A	Issue No.	12
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start		End	
Item	Sluice/Slide Gates	36.975418 °		36.975418 °	
		-120.359578 °		-120.359578 °	
DWR ID	DWR_NA0010_39_t_2012_12				
Action/Comments					
Inspector Comments: Slide gates appear to be in good condition.					

Photo 1 of 1 : ST_2019_NA0010_39_12_20190807_00018.jpg



Typical view of slide gate. (2019)

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Fresno River Drainage Structure		07/31/2019 07/31/2019	Corey Fujitani

LM Start	0.00	Rating **	N	Issue No.	13
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start		End	
Item	Electric Gate Operators	36.975418 °		36.975418 °	
		-120.359578 °		-120.359578 °	
DWR ID	DWR_NA0010_39_t_2012_13				
Action/Comments					
Inspector Comments: Item does not exist on this structure.					

No Photos

LM Start	0.00	Rating **	M	Issue No.	14
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Manual Gate Operators			36.975418 °	36.975418 °
				-120.359578 °	-120.359578 °
DWR ID	DWR_NA0010_39_t_2012_14				
Action/Comments					
Inspector Comments: Missing wheel on two of four screw gates. One wheel handle is broken. Wheel handles could not be operated. Manual operator components should be greased and maintained.					

Photo 1 of 2 : ST_2019_NA0010_39_14_20190807_00020.jpg



View of slide gate manual operators. (2019)

LM Start	0.00	Rating **	M	Issue No.	14 (cont)
LM End	0.00	Issue Type +	Ma	Location *	

Photo 2 of 2 : ST_2019_NA0010_39_14_20190613_00010.jpg



View of missing and broken wheel handles. (2018)

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Fresno River Drainage Structure		07/31/2019 07/31/2019	Corey Fujitani

LM Start	0.00	Rating **	A	Issue No.	15
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Concrete Surfaces			36.975418 °	36.975418 °
				-120.359578 °	-120.359578 °
DWR ID	DWR_NA0010_39_t_2012_15				
Action/Comments					
Inspector Comments: No visible cracking on concrete surfaces.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	16	
LM End	0.00	Issue Type +	Ma	Location *		
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude		
				Start		End
Item	Concrete Tilting / Settlement			36.975418 °		36.975418 °
				-120.359578 °		-120.359578 °
DWR ID	DWR_NA0010_39_t_2012_16					
Action/Comments						
Inspector Comments: No visible tilting or settlement present at structure.						

No Photos

LM Start	0.00	Rating **	A	Issue No.	17	
LM End	0.00	Issue Type +	Ma	Location *		
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude		
				Start	End	
Item	Concrete Foundations			36.975418 °	36.975418 °	
				-120.359578 °	-120.359578 °	
DWR ID	DWR_NA0010_39_t_2012_17					
Action/Comments						
Inspector Comments: No foundation problems were visible/identified.						

No Photos

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Fresno River Drainage Structure		07/31/2019 07/31/2019	Corey Fujitani

LM Start	0.00	Rating **	N	Issue No.	18
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start		End	
Item	Security Fencing	36.975418 °		36.975418 °	
		-120.359578 °		-120.359578 °	
DWR ID	DWR_NA0010_39_t_2012_18				
Action/Comments					
Inspector Comments: Item does not exist on this structure.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	19
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start	End		
Item	Closure Structures	36.975418 °		36.975418 °	
		-120.359578 °		-120.359578 °	
DWR ID	DWR_NA0010_39_t_2012_19				
Action/Comments					
Inspector Comments: Item does not exist on this structure.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	20
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Trash Rakes			36.975418 °	36.975418 °
				-120.359578 °	-120.359578 °
DWR ID	DWR_NA0010_39_t_2012_20				
Action/Comments					
Inspector Comments: Item does not exist on this structure.					

No Photos

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Fresno River Drainage Structure		07/31/2019 07/31/2019	Corey Fujitani

LM Start	0.00	Rating **	A	Issue No.	21
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Other Metallic Items			36.975418 °	36.975418 °
				-120.359578 °	-120.359578 °
DWR ID	DWR_NA0010_39_t_2017_21				
Action/Comments					
Inspector Comments: Minor corrosion seen on flap gates.					

Photo 1 of 1 : ST_2019_NA0010_39_21_20190613_00011.jpg



Looking at flap gates on downstream side of structure. (Summer 2016)

LM Start	0.00	Rating **	A	Issue No.	22
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Monolith Joints			36.975418 °	36.975418 °
				-120.359578 °	-120.359578 °
DWR ID	DWR_NA0010_39_t_2012_22				
Action/Comments					
Inspector Comments: No monolith joint problem was visible during the inspection.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	23
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Safety			36.975418 °	36.975418 °
				-120.359578 °	-120.359578 °
DWR ID	DWR_NA0010_39_t_2012_23				
Action/Comments					
Inspector Comments: No safety issues were visible.					

No Photos

* Location LS : Land Side WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain			

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Fresno River Drainage Structure		07/31/2019 07/31/2019	Corey Fujitani

LM Start	0.00	Rating **	A	Issue No.	24
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start		End	
Item	Operation & Maintenance Manual	36.975418 °		36.975418 °	
		-120.359578 °		-120.359578 °	
DWR ID	DWR_NA0010_39_t_2013_24				
Action/Comments					
Inspector Comments: The O&M manual is on file in the office.					

No Photos

*** Location**
LS : Land Side
WS : Water Side
CR : Crown

**** Rating**
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

Flood Control Project Maintenance
Unit Cover Sheet
2019 Structure Inspection Results

Lower San Joaquin Levee District

Structure
Mariposa Bypass Control Structure

Structure Rating	A
Date of Inspection	7/30/2019
DWR Inspector	Corey Fujitani
Accompanied By	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Mariposa Bypass Control Structure		07/30/2019 07/30/2019	Corey Fujitani

LM Start	0.00	Rating **	N	Issue No.	1
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Photo Documentation			37.201538 °	37.201538 °
				-120.694813 °	-120.694813 °
DWR ID	DWR_NA0010_44_t_2012_1				
Action/Comments					
Inspector Comments: Item appears to be adequately maintained and able to perform as intended.					

Photo 1 of 4 : ST_2019_NA0010_44_1_20190806_00015.jpg



Overview of upstream side of structure. (2019)

LM Start	0.00	Rating **	N	Issue No.	1 (cont)
LM End	0.00	Issue Type +	Ma	Location *	

Photo 2 of 4 : ST_2019_NA0010_44_1_20190806_00016.jpg



Overview of downstream side of structure. (2019)

LM Start	0.00	Rating **	N	Issue No.	1 (cont)
LM End	0.00	Issue Type +	Ma	Location *	

Photo 3 of 4 : ST_2019_NA0010_44_1_20190806_00020.jpg



View across the top of structure. (2019)

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Mariposa Bypass Control Structure		07/30/2019 07/30/2019	Corey Fujitani

LM Start	0.00	Rating **	N	Issue No.	1 (cont)	
LM End	0.00	Issue Type +	Ma	Location *		
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude		
				Start		End
Item	Photo Documentation			37.201538 °		37.201538 °
				-120.694813 °		-120.694813 °
DWR ID	DWR_NA0010_44_t_2012_1					
Action/Comments						
Inspector Comments: Item appears to be adequately maintained and able to perform as intended.						

Photo 4 of 4 : ST_2019_NA0010_44_1_20190613_00004.jpg



Looking southeast at the downstream side of the structure. (2017)

LM Start	0.00	Rating **	A	Issue No.	2
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Vegetation & Obstructions			37.201538 °	37.201538 °
				-120.694813 °	-120.694813 °
DWR ID	DWR_NA0010_44_t_2012_2				
Action/Comments					
Inspector Comments: No visible vegetation or obstructions impeding the flow.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	3
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Shoaling / Sedimentation			37.201538 °	37.201538 °
				-120.694813 °	-120.694813 °
DWR ID	DWR_NA0010_44_t_2012_3				
Action/Comments					
Inspector Comments: No sedimentation build-up or shoaling near the structure.					

No Photos

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Mariposa Bypass Control Structure		07/30/2019 07/30/2019	Corey Fujitani

LM Start	0.00	Rating **	A	Issue No.	4
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start		End	
Item	Erosion / Bank Caving	37.201538 °		37.201538 °	
		-120.694813 °		-120.694813 °	
DWR ID	DWR_NA0010_44_t_2012_4				
Action/Comments					
Inspector Comments: No visible erosion near the structure.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	5	
LM End	0.00	Issue Type +	Ma	Location *		
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude		
				Start		End
Item	Revetments			37.201538 °		37.201538 °
				-120.694813 °		-120.694813 °
DWR ID	DWR_NA0010_44_t_2012_5					
Action/Comments						
Inspector Comments: Revetments appear to be in proper condition. Some minor erosion on the outlet side of the structure but riprap is still intact in the area.						

Photo 1 of 2 : ST_2019_NA0010_44_5_20190613_00005.jpg



Revetment erosion spot downstream of structure. (2018)

Photo 2 of 2 : ST_2019_NA0010_44_5_20190613_00006.jpg



Close up view of erosion spot. (2018)

LM Start	0.00	Rating **	A	Issue No.	5 (cont)
LM End	0.00	Issue Type +	Ma	Location *	

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Mariposa Bypass Control Structure		07/30/2019 07/30/2019	Corey Fujitani

LM Start	0.00	Rating **	A	Issue No.	6
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start	End		
Item	Encroachments	37.201538 °	37.201538 °		
		-120.694813 °	-120.694813 °		
DWR ID	DWR_NA0010_44_t_2012_6				
Action/Comments					
Inspector Comments: No encroachments were found near the structure.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	7
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Culverts: Inlets / Outlets			37.201538 °	37.201538 °
				-120.694813 °	-120.694813 °
DWR ID	DWR_NA0010_44_t_2012_7				
Action/Comments					
Inspector Comments: No debris blocking culverts.					

Photo 1 of 1 : ST_2019_NA0010_44_7_20190806_00021.jpg



Typical view of outlets. (2019)

LM Start	0.00	Rating **	A	Issue No.	8
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start	End		
Item	Culverts: Breaks / Holes / Cracks	37.201538 °	37.201538 °		
		-120.694813 °	-120.694813 °		
DWR ID	DWR_NA0010_44_t_2012_8				
Action/Comments					
Inspector Comments: No visible damage to culverts.					

No Photos

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Mariposa Bypass Control Structure		07/30/2019 07/30/2019	Corey Fujitani

LM Start	0.00	Rating **	N	Issue No.	9	
LM End	0.00	Issue Type +	Ma	Location *		
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude		
				Start		End
Item	Metal Pipes			37.201538 °		37.201538 °
				-120.694813 °		-120.694813 °
DWR ID	DWR_NA0010_44_t_2012_9					
Action/Comments						
Inspector Comments: Item does not exist on this structure.						

No Photos

LM Start	0.00	Rating **	N	Issue No.	10
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Trash Racks			37.201538 °	37.201538 °
				-120.694813 °	-120.694813 °
DWR ID	DWR_NA0010_44_t_2018_10				
Action/Comments					
Inspector Comments: Item does not exist on this structure.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	11	
LM End	0.00	Issue Type +	Ma	Location *		
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude		
				Start		End
Item	Flap Gates			37.201538 °		37.201538 °
				-120.694813 °		-120.694813 °
DWR ID	DWR_NA0010_44_t_2012_11					
Action/Comments						
Inspector Comments: Item does not exist on this structure.						

No Photos

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Mariposa Bypass Control Structure		07/30/2019 07/30/2019	Corey Fujitani

LM Start	0.00	Rating **	A	Issue No.	12
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start		End	
Item	Sluice/Slide Gates	37.201538 °		37.201538 °	
		-120.694813 °		-120.694813 °	
DWR ID	DWR_NA0010_44_t_2012_12				
Action/Comments					
Inspector Comments: No visible damage, sediment or obstructions identified.					

Photo 1 of 1 : ST_2019_NA0010_44_12_20190806_00022.jpg



View of the radial gates. (2019)

LM Start	0.00	Rating **	A	Issue No.	13
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start		End	
Item	Electric Gate Operators	37.201538 °		37.201538 °	
		-120.694813 °		-120.694813 °	
DWR ID	DWR_NA0010_44_t_2012_13				
Action/Comments					
Inspector Comments: Electrical gates appear to be in proper working condition. Some of the plates on ball bearing encasements have been displaced.					

Photo 1 of 4 : ST_2019_NA0010_44_13_20190806_00023.jpg



Typical view of electrical gates on upstream side of structure. (2019)

LM Start	0.00	Rating **	A	Issue No.	13 (cont)
LM End	0.00	Issue Type +	Ma	Location *	

Photo 2 of 4 : ST_2019_NA0010_44_13_20190806_00025.jpg



Bearing plates dislodged from bearing encasement. (2019)

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Mariposa Bypass Control Structure		07/30/2019 07/30/2019	Corey Fujitani

LM Start	0.00	Rating **	A	Issue No.	13 (cont)	
LM End	0.00	Issue Type +	Ma	Location *		
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude		
				Start	End	
Item	Electric Gate Operators			37.201538 °	37.201538 °	
				-120.694813 °	-120.694813 °	
DWR ID	DWR_NA0010_44_t_2012_13					
Action/Comments						
Inspector Comments: Electrical gates appear to be in proper working condition. Some of the plates on ball bearing encasements have been displaced.						

Photo 3 of 4 : ST_2019_NA0010_44_13_20190806_00026.jpg



View of electrical gate controls. (2019)

LM Start	0.00	Rating **	A	Issue No.	13 (cont)
LM End	0.00	Issue Type +	Ma	Location *	

Photo 4 of 4 : ST_2019_NA0010_44_13_20190613_00011.jpg



View of control panel. (2018)

LM Start	0.00	Rating **	N	Issue No.	14
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Manual Gate Operators			37.201538 °	37.201538 °
				-120.694813 °	-120.694813 °
DWR ID	DWR_NA0010_44_t_2013_14				
Action/Comments					
Inspector Comments: Item does not exist on this structure.					

No Photos

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Mariposa Bypass Control Structure		07/30/2019 07/30/2019	Corey Fujitani

LM Start	0.00	Rating **	A	Issue No.	15
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Concrete Surfaces			37.201538 °	37.201538 °
				-120.694813 °	-120.694813 °
DWR ID	DWR_NA0010_44_t_2012_15				
Action/Comments					
Inspector Comments: Exposed rebar at expansion joint on upstream side of structure.					

Photo 1 of 2 : ST_2019_NA0010_44_15_20190806_00027.jpg



Exposed rebar at expansion joint on upstream side of structure. (2019)

Photo 2 of 2 : ST_2019_NA0010_44_15_20190613_00013.jpg



Close up of exposed rebar. (2018)

LM Start	0.00	Rating **	A	Issue No.	15 (cont)
LM End	0.00	Issue Type +	Ma	Location *	

LM Start	0.00	Rating **	A	Issue No.	16
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Concrete Tilting / Settlement			37.201538 °	37.201538 °
				-120.694813 °	-120.694813 °
DWR ID	DWR_NA0010_44_t_2012_16				
Action/Comments					
Inspector Comments: No visible movement along the structure.					

No Photos

* Location
LS : Land Side
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Mariposa Bypass Control Structure		07/30/2019 07/30/2019	Corey Fujitani

LM Start	0.00	Rating **	A	Issue No.	17	
LM End	0.00	Issue Type +	Ma	Location *		
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude		
				Start		End
Item	Concrete Foundations			37.201538 °		37.201538 °
				-120.694813 °		-120.694813 °
DWR ID	DWR_NA0010_44_t_2012_17					
Action/Comments						
Inspector Comments: No visible undermining near the structure.						

No Photos

LM Start	0.00	Rating **	N	Issue No.	18
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Security Fencing			37.201538 °	37.201538 °
				-120.694813 °	-120.694813 °
DWR ID	DWR_NA0010_44_t_2012_18				
Action/Comments					
Inspector Comments: Item does not exist on this structure.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	19
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Closure Structures			37.201538 °	37.201538 °
				-120.694813 °	-120.694813 °
DWR ID	DWR_NA0010_44_t_2012_19				
Action/Comments					
Inspector Comments: Item does not exist on this structure.					

No Photos

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Mariposa Bypass Control Structure		07/30/2019 07/30/2019	Corey Fujitani

LM Start	0.00	Rating **	N	Issue No.	20
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start		End	
Item	Trash Rakes	37.201538 °		37.201538 °	
		-120.694813 °		-120.694813 °	
DWR ID	DWR_NA0010_44_t_2012_20				
Action/Comments					
Inspector Comments: Item does not exist on this structure.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	21
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start		End	
Item	Other Metallic Items	37.201538 °		37.201538 °	
		-120.694813 °		-120.694813 °	
DWR ID	DWR_NA0010_44_t_2012_21				
Action/Comments					
Inspector Comments: No visible corrosion.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	22
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Monolith Joints			37.201538 °	37.201538 °
				-120.694813 °	-120.694813 °
DWR ID	DWR_NA0010_44_t_2012_22				
Action/Comments					
Inspector Comments: No visible joint deterioration identified.					

No Photos

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Mariposa Bypass Control Structure		07/30/2019 07/30/2019	Corey Fujitani

LM Start	0.00	Rating **	A	Issue No.	23
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start		End	
Item	Safety	37.201538 °		37.201538 °	
		-120.694813 °		-120.694813 °	
DWR ID	DWR_NA0010_44_t_2012_23				
Action/Comments					
Inspector Comments: No safety hazards identified.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	24
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Operation & Maintenance Manual			37.201538 °	37.201538 °
				-120.694813 °	-120.694813 °
DWR ID	DWR_NA0010_44_t_2013_24				
Action/Comments					
Inspector Comments: The O&M manual is on file in the office.					

No Photos

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

Flood Control Project Maintenance
Unit Cover Sheet
2019 Structure Inspection Results

Lower San Joaquin Levee District

Structure
Mariposa Bypass Drop Structure

Structure Rating	A
Date of Inspection	7/30/2019
DWR Inspector	Corey Fujitani
Accompanied By	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Mariposa Bypass Drop Structure		07/30/2019 07/30/2019	Corey Fujitani

LM Start	0.00	Rating **	N	Issue No.	1	
LM End	0.00	Issue Type +	Ma	Location *		
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude		
				Start		End
Item	Photo Documentation			37.201796 °		37.201796 °
				-120.755262 °		-120.755262 °
DWR ID	DWR_NA0010_31_t_2012_1					
Action/Comments						
Inspector Comments: Structure appears to be maintained and able to perform as intended.						

Photo 1 of 4 : ST_2019_NA0010_31_1_20190806_00009.jpg



View of downstream side of structure. (2019)

LM Start	0.00	Rating **	N	Issue No.	1 (cont)
LM End	0.00	Issue Type +	Ma	Location *	

Photo 2 of 4 : ST_2019_NA0010_31_1_20190806_00008.jpg



View of right wing wall. (2019)

LM Start	0.00	Rating **	N	Issue No.	1 (cont)
LM End	0.00	Issue Type +	Ma	Location *	

Photo 3 of 4 : ST_2019_NA0010_31_1_20190806_00012.jpg



View of left wing wall. (2019)

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Mariposa Bypass Drop Structure		07/30/2019 07/30/2019	Corey Fujitani

LM Start	0.00	Rating **	N	Issue No.	1 (cont)	
LM End	0.00	Issue Type +	Ma	Location *		
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude		
				Start		End
Item	Photo Documentation			37.201796 °		37.201796 °
				-120.755262 °		-120.755262 °
DWR ID	DWR_NA0010_31_t_2012_1					
Action/Comments						
Inspector Comments: Structure appears to be maintained and able to perform as intended.						

Photo 4 of 4 : ST_2019_NA0010_31_1_20190613_00004.jpg



Looking southeast at the downstream side of the structure. (2017)

LM Start	0.00	Rating **	A	Issue No.	2
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Vegetation & Obstructions			37.201796 °	37.201796 °
				-120.755262 °	-120.755262 °
DWR ID	DWR_NA0010_31_t_2012_2				
Action/Comments					
Inspector Comments: No vegetation or obstructions near the structure that would impede the flow.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	3
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Shoaling / Sedimentation			37.201796 °	37.201796 °
				-120.755262 °	-120.755262 °
DWR ID	DWR_NA0010_31_t_2012_3				
Action/Comments					
Inspector Comments: No sedimentation build-up or shoaling near the structure.					

No Photos

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Mariposa Bypass Drop Structure		07/30/2019 07/30/2019	Corey Fujitani

LM Start	0.00	Rating **	A	Issue No.	4
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			37.201796 °	37.201796 °
				-120.755262 °	-120.755262 °
DWR ID	DWR_NA0010_31_t_2012_4				
Action/Comments					
Inspector Comments: No erosion near the structure.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	5	
LM End	0.00	Issue Type +	Ma	Location *		
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude		
				Start	End	
Item	Revetments			37.201796 °	37.201796 °	
				-120.755262 °	-120.755262 °	
DWR ID	DWR_NA0010_31_t_2012_5					
Action/Comments						
Inspector Comments: Revetment appears to be in good condition.						

No Photos

LM Start	0.00	Rating **	A	Issue No.	6	
LM End	0.00	Issue Type +	Ma	Location *		
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude		
				Start	End	
Item	Encroachments			37.201796 °	37.201796 °	
				-120.755262 °	-120.755262 °	
DWR ID	DWR_NA0010_31_t_2012_6					
Action/Comments						
Inspector Comments: No visible encroachments near the structure.						

No Photos

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Mariposa Bypass Drop Structure		07/30/2019 07/30/2019	Corey Fujitani

LM Start	0.00	Rating **	N	Issue No.	7	
LM End	0.00	Issue Type +	Ma	Location *		
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude		
				Start		End
Item	Culverts: Inlets / Outlets			37.201796 °		37.201796 °
				-120.755262 °		-120.755262 °
DWR ID	DWR_NA0010_31_t_2012_7					
Action/Comments						
Inspector Comments: Item does not exist on this structure.						

No Photos

LM Start	0.00	Rating **	N	Issue No.	8	
LM End	0.00	Issue Type +	Ma	Location *		
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude		
				Start		End
Item	Culverts: Breaks / Holes / Cracks			37.201796 °		37.201796 °
				-120.755262 °		-120.755262 °
DWR ID	DWR_NA0010_31_t_2012_8					
Action/Comments						
Inspector Comments: Item does not exist on this structure.						

No Photos

LM Start	0.00	Rating **	N	Issue No.	9	
LM End	0.00	Issue Type +	Ma	Location *		
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude		
				Start		End
Item	Metal Pipes			37.201796 °		37.201796 °
				-120.755262 °		-120.755262 °
DWR ID	DWR_NA0010_31_t_2012_9					
Action/Comments						
Inspector Comments: Item does not exist on this structure.						

No Photos

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Mariposa Bypass Drop Structure		07/30/2019 07/30/2019	Corey Fujitani

LM Start	0.00	Rating **	N	Issue No.	10
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start		End	
Item	Trash Racks	37.201796 °		37.201796 °	
		-120.755262 °		-120.755262 °	
DWR ID	DWR_NA0010_31_t_2012_10				
Action/Comments					
Inspector Comments: Item does not exist on this structure.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	11	
LM End	0.00	Issue Type +	Ma	Location *		
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude		
				Start		End
Item	Flap Gates			37.201796 °		37.201796 °
				-120.755262 °		-120.755262 °
DWR ID	DWR_NA0010_31_t_2012_11					
Action/Comments						
Inspector Comments: Item does not exist on this structure.						

No Photos

LM Start	0.00	Rating **	N	Issue No.	12	
LM End	0.00	Issue Type +	Ma	Location *		
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude		
				Start		End
Item	Sluice/Slide Gates			37.201796 °		37.201796 °
				-120.755262 °		-120.755262 °
DWR ID	DWR_NA0010_31_t_2012_12					
Action/Comments						
Inspector Comments: Item does not exist on this structure.						

No Photos

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Mariposa Bypass Drop Structure		07/30/2019 07/30/2019	Corey Fujitani

LM Start	0.00	Rating **	N	Issue No.	13
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start		End	
Item	Electric Gate Operators	37.201796 °		37.201796 °	
		-120.755262 °		-120.755262 °	
DWR ID	DWR_NA0010_31_t_2012_13				
Action/Comments					
Inspector Comments: Item does not exist on this structure.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	14
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start		End	
Item	Manual Gate Operators	37.201796 °		37.201796 °	
		-120.755262 °		-120.755262 °	
DWR ID	DWR_NA0010_31_t_2012_14				
Action/Comments					
Inspector Comments: Item does not exist on this structure.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	15
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start		End	
Item	Concrete Surfaces	37.201796 °		37.201796 °	
		-120.755262 °		-120.755262 °	
DWR ID	DWR_NA0010_31_t_2012_15				
Action/Comments					
Inspector Comments: No visible damage to concrete surface.					

No Photos

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Mariposa Bypass Drop Structure		07/30/2019 07/30/2019	Corey Fujitani

LM Start	0.00	Rating **	A	Issue No.	16
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start		End	
Item	Concrete Tilting / Settlement	37.201796 °		37.201796 °	
		-120.755262 °		-120.755262 °	
DWR ID	DWR_NA0010_31_t_2012_16				
Action/Comments					
Inspector Comments: No tilting/settlement identified.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	17
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Concrete Foundations			37.201796 °	37.201796 °
				-120.755262 °	-120.755262 °
DWR ID	DWR_NA0010_31_t_2012_17				
Action/Comments					
Inspector Comments: No visible undermining near the structure.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	18	
LM End	0.00	Issue Type +	Ma	Location *		
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude		
				Start		End
Item	Security Fencing			37.201796 °		37.201796 °
				-120.755262 °		-120.755262 °
DWR ID	DWR_NA0010_31_t_2012_18					
Action/Comments						
Inspector Comments: Item does not exist on this structure.						

No Photos

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Mariposa Bypass Drop Structure		07/30/2019 07/30/2019	Corey Fujitani

LM Start	0.00	Rating **	N	Issue No.	19
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start		End	
Item	Closure Structures	37.201796 °		37.201796 °	
		-120.755262 °		-120.755262 °	
DWR ID	DWR_NA0010_31_t_2012_19				
Action/Comments					
Inspector Comments: Item does not exist on this structure.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	20
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start		End	
Item	Trash Rakes	37.201796 °		37.201796 °	
		-120.755262 °		-120.755262 °	
DWR ID	DWR_NA0010_31_t_2012_20				
Action/Comments					
Inspector Comments: Item does not exist on this structure.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	21
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Other Metallic Items			37.201796 °	37.201796 °
				-120.755262 °	-120.755262 °
DWR ID	DWR_NA0010_31_t_2012_21				
Action/Comments					
Inspector Comments: Item does not exist on this structure.					

No Photos

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Mariposa Bypass Drop Structure		07/30/2019 07/30/2019	Corey Fujitani

LM Start	0.00	Rating **	M	Issue No.	22
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Monolith Joints			37.201796 °	37.201796 °
				-120.755262 °	-120.755262 °
DWR ID	DWR_NA0010_31_t_2012_22				
Action/Comments					
Inspector Comments: Joint gaskets are deteriorating and need to be repaired.					

Photo 1 of 3 : ST_2019_NA0010_31_22_20190806_00013.jpg



View of left wing wall with deteriorated joint. (2019)

LM Start	0.00	Rating **	M	Issue No.	22 (cont)
LM End	0.00	Issue Type +	Ma	Location *	

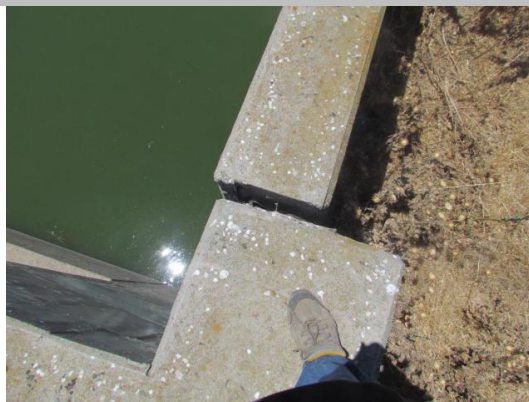
Photo 2 of 3 : ST_2019_NA0010_31_22_20190613_00005.jpg



View of right sidewall joint deterioration. (2017)

LM Start	0.00	Rating **	M	Issue No.	22 (cont)
LM End	0.00	Issue Type +	Ma	Location *	

Photo 3 of 3 : ST_2019_NA0010_31_22_20190613_00006.jpg



Looking at right wing wall with missing rubber gasket in joint. (2016)

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Mariposa Bypass Drop Structure		07/30/2019 07/30/2019	Corey Fujitani

LM Start	0.00	Rating **	A	Issue No.	23
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start		End	
Item	Safety	37.201796 °		37.201796 °	
		-120.755262 °		-120.755262 °	
DWR ID	DWR_NA0010_31_t_2012_23				
Action/Comments					
Inspector Comments: No visible safety hazards.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	24
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start		End	
Item	Operation & Maintenance Manual	37.201796 °		37.201796 °	
		-120.755262 °		-120.755262 °	
DWR ID	DWR_NA0010_31_t_2013_24				
Action/Comments					
Inspector Comments: The O&M manual is on file in the office.					

No Photos

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

Flood Control Project Maintenance
Unit Cover Sheet
2019 Structure Inspection Results

Lower San Joaquin Levee District

Structure
Owens Creek Control Structure

Structure Rating	M
Date of Inspection	7/30/2019
DWR Inspector	Corey Fujitani
Accompanied By	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Owens Creek Control Structure		07/30/2019 07/30/2019	Corey Fujitani

LM Start	0.00	Rating **	N	Issue No.	1
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Photo Documentation			37.219637 °	37.219637 °
				-120.698018 °	-120.698018 °
DWR ID	DWR_NA0010_49_t_2018_1				
Action/Comments					
Inspector Comments: The control structure has structural defects at multiple locations. The LMA appears to have stabilized the structure with external steel reinforcements (see photos throughout).					

Photo 1 of 3 : ST_2019_NA0010_49_1_20190802_00024.jpg



View of inlet side of the structure. (2019)

LM Start	0.00	Rating **	N	Issue No.	1 (cont)
LM End	0.00	Issue Type +	Ma	Location *	

Photo 2 of 3 : ST_2019_NA0010_49_1_20190613_00002.jpg



View of outlet side of the structure. (2018)

LM Start	0.00	Rating **	N	Issue No.	1 (cont)
LM End	0.00	Issue Type +	Ma	Location *	

Photo 3 of 3 : ST_2019_NA0010_49_1_20190613_00003.jpg



Looking at (overview) top of structure. (2016)

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Owens Creek Control Structure		07/30/2019 07/30/2019	Corey Fujitani

LM Start	0.00	Rating **	A	Issue No.	2
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start		End	
Item	Vegetation & Obstructions	37.219637 °		37.219637 °	
		-120.698018 °		-120.698018 °	
DWR ID	DWR_NA0010_49_t_2012_2				
Action/Comments					
Inspector Comments: No visible vegetation or obstructions identified.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	3	
LM End	0.00	Issue Type +	Ma	Location *		
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude		
				Start		End
Item	Shoaling / Sedimentation			37.219637 °		37.219637 °
				-120.698018 °		-120.698018 °
DWR ID	DWR_NA0010_49_t_2012_3					
Action/Comments						
Inspector Comments: No sedimentation or shoaling visible.						

No Photos

LM Start	0.00	Rating **	M	Issue No.	4
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			37.219637 °	37.219637 °
				-120.698018 °	-120.698018 °
DWR ID	DWR_NA0010_49_t_2012_4				
Action/Comments					
Inspector Comments: LMA brought in fill material to backfill holes and erosion sites. Minor erosion around the left inlet headwall.					

Photo 1 of 3 : ST_2019_NA0010_49_4_20190802_00026.jpg



View of left headwall, possible erosion on landside of wall. (2019)

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Owens Creek Control Structure		07/30/2019 07/30/2019	Corey Fujitani

LM Start	0.00	Rating **	M	Issue No.	4 (cont)	
LM End	0.00	Issue Type +	Ma	Location *		
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude		
				Start	End	
Item	Erosion / Bank Caving			37.219637 °	37.219637 °	
				-120.698018 °	-120.698018 °	
DWR ID	DWR_NA0010_49_t_2012_4					
Action/Comments						
Inspector Comments: LMA brought in fill material to backfill holes and erosion sites. Minor erosion around the left inlet headwall.						

Photo 2 of 3 : ST_2019_NA0010_49_4_20190613_00004.jpg



Looking at braces on left headwall. (2018)

LM Start	0.00	Rating **	M	Issue No.	4 (cont)
LM End	0.00	Issue Type +	Ma	Location *	

Photo 3 of 3 : ST_2019_NA0010_49_4_20190613_00005.jpg



Looking at the left headwall, possible erosion around the landside of the structure. (2017)

LM Start	0.00	Rating **	A	Issue No.	5
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Revetments			37.219637 °	37.219637 °
				-120.698018 °	-120.698018 °
DWR ID	DWR_NA0010_49_t_2012_5				
Action/Comments					
Inspector Comments: Revetment appears to be properly maintained.					

No Photos

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Owens Creek Control Structure		07/30/2019 07/30/2019	Corey Fujitani

LM Start	0.00	Rating **	A	Issue No.	6
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start	End		
Item	Encroachments	37.219637 °		37.219637 °	
		-120.698018 °		-120.698018 °	
DWR ID	DWR_NA0010_49_t_2012_6				
Action/Comments					
Inspector Comments: No encroachments visible.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	7
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Culverts: Inlets / Outlets			37.219637 °	37.219637 °
				-120.698018 °	-120.698018 °
DWR ID	DWR_NA0010_49_t_2012_7				
Action/Comments					
Inspector Comments: No visible debris blocking the culverts.					

Photo 1 of 1 : ST_2019_NA0010_49_7_20190805_00032.jpg



View of outlet side of culvert. (2019)

LM Start	0.00	Rating **	A	Issue No.	8
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start	End		
Item	Culverts: Breaks / Holes / Cracks	37.219637 °		37.219637 °	
		-120.698018 °		-120.698018 °	
DWR ID	DWR_NA0010_49_t_2017_8				
Action/Comments					
Inspector Comments: No visible damage to culverts.					

No Photos

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Owens Creek Control Structure		07/30/2019 07/30/2019	Corey Fujitani

LM Start	0.00	Rating **	N	Issue No.	9
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start		End	
Item	Metal Pipes	37.219637 °		37.219637 °	
		-120.698018 °		-120.698018 °	
DWR ID	DWR_NA0010_49_t_2012_9				
Action/Comments					
Inspector Comments: Item does not exist on this structure.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	10
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Trash Racks			37.219637 °	37.219637 °
				-120.698018 °	-120.698018 °
DWR ID	DWR_NA0010_49_t_2012_10				
Action/Comments					
Inspector Comments: Item does not exist on this structure.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	11
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Flap Gates			37.219637 °	37.219637 °
				-120.698018 °	-120.698018 °
DWR ID	DWR_NA0010_49_t_2012_11				
Action/Comments					
Inspector Comments: Item does not exist on this structure.					

No Photos

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Owens Creek Control Structure		07/30/2019 07/30/2019	Corey Fujitani

LM Start	0.00	Rating **	N	Issue No.	12
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start		End	
Item	Sluice/Slide Gates	37.219637 °		37.219637 °	
		-120.698018 °		-120.698018 °	
DWR ID	DWR_NA0010_49_t_2012_12				
Action/Comments					
Inspector Comments: Item does not exist on this structure.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	13
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start		End	
Item	Electric Gate Operators	37.219637 °		37.219637 °	
		-120.698018 °		-120.698018 °	
DWR ID	DWR_NA0010_49_t_2012_13				
Action/Comments					
Inspector Comments: Item does not exist on this structure.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	14
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Manual Gate Operators			37.219637 °	37.219637 °
				-120.698018 °	-120.698018 °
DWR ID	DWR_NA0010_49_t_2012_14				
Action/Comments					
Inspector Comments: Item does not exist on this structure.					

No Photos

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Owens Creek Control Structure		07/30/2019 07/30/2019	Corey Fujitani

LM Start	0.00	Rating **	M	Issue No.	15
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Concrete Surfaces			37.219637 °	37.219637 °
				-120.698018 °	-120.698018 °
DWR ID	DWR_NA0010_49_t_2012_15				
Action/Comments					
Inspector Comments: Small cracking on left and right wing walls. LMA installed metal braces to stabilize the wing walls on the upstream and downstream sides of the structure.					

Photo 1 of 4 : ST_2019_NA0010_49_15_20190805_00028.jpg



Looking at small crack on right wing wall on downstream side of structure. (2019)

LM Start	0.00	Rating **	M	Issue No.	15 (cont)
LM End	0.00	Issue Type +	Ma	Location *	

Photo 2 of 4 : ST_2019_NA0010_49_15_20190805_00029.jpg



Looking at crack on left wing wall on downstream side of structure. (2019)

LM Start	0.00	Rating **	M	Issue No.	15 (cont)
LM End	0.00	Issue Type +	Ma	Location *	

Photo 3 of 4 : ST_2019_NA0010_49_15_20190805_00030.jpg



Cracking on the right headwall of the structure. (2019)

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Owens Creek Control Structure		07/30/2019 07/30/2019	Corey Fujitani

LM Start	0.00	Rating **	M	Issue No.	15 (cont)	
LM End	0.00	Issue Type +	Ma	Location *		
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude		
				Start		End
Item	Concrete Surfaces			37.219637 °		37.219637 °
				-120.698018 °		-120.698018 °
DWR ID	DWR_NA0010_49_t_2012_15					
Action/Comments						
Inspector Comments: Small cracking on left and right wing walls. LMA installed metal braces to stabilize the wing walls on the upstream and downstream sides of the structure.						

Photo 4 of 4 : ST_2019_NA0010_49_15_20190805_00031.jpg



Cracking on the left headwall of the structure. (2019)

LM Start	0.00	Rating **	M	Issue No.	16
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start	End		
Item	Concrete Tilting / Settlement	37.219637 °		37.219637 °	
		-120.698018 °		-120.698018 °	
DWR ID	DWR_NA0010_49_t_2012_16				
Action/Comments					
Inspector Comments: Concrete tilting/settlement on upstream and downstream left wing walls has been stabilized by the LMA. Tilting is still visible but installed braces appear to be stabilizing the wingwalls.					

Photo 1 of 6 : ST_2019_NA0010_49_16_20190613_00015.jpg



Looking at brace on left wing wall on downstream side of structure. (2018)

LM Start	0.00	Rating **	M	Issue No.	16 (cont)
LM End	0.00	Issue Type +	Ma	Location *	

Photo 2 of 6 : ST_2019_NA0010_49_16_20190613_00016.jpg



Looking at brace on left wing wall on downstream side of structure. Summer 2012

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Owens Creek Control Structure		07/30/2019 07/30/2019	Corey Fujitani

LM Start	0.00	Rating **	M	Issue No.	16 (cont)	
LM End	0.00	Issue Type +	Ma	Location *		
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude		
				Start	End	
Item	Concrete Tilting / Settlement			37.219637 °	37.219637 °	
				-120.698018 °	-120.698018 °	
DWR ID	DWR_NA0010_49_t_2012_16					
Action/Comments						
Inspector Comments: Concrete tilting/settlement on upstream and downstream left wing walls has been stabilized by the LMA. Tilting is still visible but installed braces appear to be stabilizing the wingwalls.						

Photo 3 of 6 : ST_2019_NA0010_49_16_20190613_00017.jpg



Looking at braces on downstream right wing wall. (2018)

Photo 4 of 6 : ST_2019_NA0010_49_16_20190613_00018.jpg



Looking at upstream left wing wall. (2018)

Photo 5 of 6 : ST_2019_NA0010_49_16_20190613_00019.jpg



Left wingwall tilting with braces in place. (2017)

LM Start	0.00	Rating **	M	Issue No.	16 (cont)
LM End	0.00	Issue Type +	Ma	Location *	

LM Start	0.00	Rating **	M	Issue No.	16 (cont)
LM End	0.00	Issue Type +	Ma	Location *	

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Owens Creek Control Structure		07/30/2019 07/30/2019	Corey Fujitani

LM Start	0.00	Rating **	M	Issue No.	16 (cont)	
LM End	0.00	Issue Type +	Ma	Location *		
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude		
				Start	End	
Item	Concrete Tilting / Settlement			37.219637 °	37.219637 °	
				-120.698018 °	-120.698018 °	
DWR ID	DWR_NA0010_49_t_2012_16					
Action/Comments						
Inspector Comments: Concrete tilting/settlement on upstream and downstream left wing walls has been stabilized by the LMA. Tilting is still visible but installed braces appear to be stabilizing the wingwalls.						

Photo 6 of 6 : ST_2019_NA0010_49_16_20190613_00020.jpg



Looking at repaired left wing wall on downstream side of structure.
Summer 2012

LM Start	0.00	Rating **	A	Issue No.	17
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Concrete Foundations			37.219637 °	37.219637 °
				-120.698018 °	-120.698018 °
DWR ID	DWR_NA0010_49_t_2012_17				
Action/Comments					
Inspector Comments: No visible undermining along the structure.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	18
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Security Fencing			37.219637 °	37.219637 °
				-120.698018 °	-120.698018 °
DWR ID	DWR_NA0010_49_t_2012_18				
Action/Comments					
Inspector Comments: Item does not exist on this structure.					

No Photos

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Owens Creek Control Structure		07/30/2019 07/30/2019	Corey Fujitani

LM Start	0.00	Rating **	N	Issue No.	19
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start		End	
Item	Closure Structures	37.219637 °		37.219637 °	
		-120.698018 °		-120.698018 °	
DWR ID	DWR_NA0010_49_t _ 2012_19				
Action/Comments					
Inspector Comments: Item does not exist on this structure.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	20
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start		End	
Item	Trash Rakes	37.219637 °		37.219637 °	
		-120.698018 °		-120.698018 °	
DWR ID	DWR_NA0010_49_t _ 2012_20				
Action/Comments					
Inspector Comments: Item does not exist on this structure.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	21
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Other Metallic Items			37.219637 °	37.219637 °
				-120.698018 °	-120.698018 °
DWR ID	DWR_NA0010_49_t _ 2012_21				
Action/Comments					
Inspector Comments: Item does not exist on this structure.					

No Photos

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Owens Creek Control Structure		07/30/2019 07/30/2019	Corey Fujitani

LM Start	0.00	Rating **	A	Issue No.	22
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start		End	
Item	Monolith Joints	37.219637 °		37.219637 °	
		-120.698018 °		-120.698018 °	
DWR ID	DWR_NA0010_49_t_2012_22				
Action/Comments					
Inspector Comments: No visible issues identified with joints.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	23
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start	End		
Item	Safety	37.219637 °		37.219637 °	
		-120.698018 °		-120.698018 °	
DWR ID	DWR_NA0010_49_t_2012_23				
Action/Comments					
Inspector Comments: No visible safety hazards.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	24
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Operation & Maintenance Manual			37.219637 °	37.219637 °
				-120.698018 °	-120.698018 °
DWR ID	DWR_NA0010_49_t_2013_24				
Action/Comments					
Inspector Comments: The manual is on file in the office.					

No Photos

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Flood Control Project Maintenance
Unit Cover Sheet
2019 Structure Inspection Results

Lower San Joaquin Levee District

Structure
Owens Creek Overflow Structure

Structure Rating	A
Date of Inspection	7/30/2019
DWR Inspector	Corey Fujitani
Accompanied By	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Owens Creek Overflow Structure		07/30/2019 07/30/2019	Corey Fujitani

LM Start	0.00	Rating **	N	Issue No.	1
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Photo Documentation			37.205787 °	37.205787 °
				-120.696838 °	-120.696838 °
DWR ID	DWR_NA0010_50_t_2012_1				
Action/Comments					

Photo 1 of 3 : ST_2019_NA0010_50_1_20190805_00010.jpg



View of upstream side of the structure. (2019)

LM Start	0.00	Rating **	N	Issue No.	1 (cont)
LM End	0.00	Issue Type +	Ma	Location *	

Photo 2 of 3 : ST_2019_NA0010_50_1_20190805_00011.jpg



View of downstream side of the structure. (2019)

LM Start	0.00	Rating **	N	Issue No.	1 (cont)
LM End	0.00	Issue Type +	Ma	Location *	

Photo 3 of 3 : ST_2019_NA0010_50_1_20190613_00003.jpg



Looking at upstream side of structure. (2015)

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Owens Creek Overflow Structure		07/30/2019 07/30/2019	Corey Fujitani

LM Start	0.00	Rating **	A	Issue No.	2
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start		End	
Item	Vegetation & Obstructions	37.205787 °		37.205787 °	
		-120.696838 °		-120.696838 °	
DWR ID	DWR_NA0010_50_t_2012_2				
Action/Comments					
Inspector Comments: No vegetation issues identified.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	3
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Shoaling / Sedimentation			37.205787 °	37.205787 °
				-120.696838 °	-120.696838 °
DWR ID	DWR_NA0010_50_t_2012_3				
Action/Comments					
Inspector Comments: No sedimentation or shoaling identified near the structure.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	4
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			37.205787 °	37.205787 °
				-120.696838 °	-120.696838 °
DWR ID	DWR_NA0010_50_t_2012_4				
Action/Comments					
Inspector Comments: No erosion was identified near the structure.					

No Photos

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Owens Creek Overflow Structure		07/30/2019 07/30/2019	Corey Fujitani

LM Start	0.00	Rating **	A	Issue No.	5	
LM End	0.00	Issue Type +	Ma	Location *		
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude		
				Start		End
Item	Revetments			37.205787 °		37.205787 °
				-120.696838 °		-120.696838 °
DWR ID	DWR_NA0010_50_t_2012_5					
Action/Comments						
Inspector Comments: Revetment appears to be in adequate condition.						

No Photos

LM Start	0.00	Rating **	A	Issue No.	6
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start	End		
Item	Encroachments	37.205787 °		37.205787 °	
		-120.696838 °		-120.696838 °	
DWR ID	DWR_NA0010_50_t_2012_6				
Action/Comments					
Inspector Comments: No encroachments near the structure.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	7	
LM End	0.00	Issue Type +	Ma	Location *		
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude		
				Start		End
Item	Culverts: Inlets / Outlets			37.205787 °		37.205787 °
				-120.696838 °		-120.696838 °
DWR ID	DWR_NA0010_50_t_2012_7					
Action/Comments						

Photo 1 of 1 : ST_2019_NA0010_50_7_20190805_00012.jpg



Looking at the outlet of the structure. (2019)

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Owens Creek Overflow Structure		07/30/2019 07/30/2019	Corey Fujitani

LM Start	0.00	Rating **	A	Issue No.	8
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start	End		
Item	Culverts: Breaks / Holes / Cracks	37.205787 °		37.205787 °	
		-120.696838 °		-120.696838 °	
DWR ID	DWR_NA0010_50_t_2012_8				
Action/Comments					
Inspector Comments: No visible damage to culverts.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	9
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Metal Pipes			37.205787 °	37.205787 °
				-120.696838 °	-120.696838 °
DWR ID	DWR_NA0010_50_t_2012_9				
Action/Comments					
Inspector Comments: Item does not exist on this structure.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	10
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Trash Racks			37.205787 °	37.205787 °
				-120.696838 °	-120.696838 °
DWR ID	DWR_NA0010_50_t_2012_10				
Action/Comments					
Inspector Comments: Item does not exist on this structure.					

No Photos

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Owens Creek Overflow Structure		07/30/2019 07/30/2019	Corey Fujitani

LM Start	0.00	Rating **	N	Issue No.	11
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Flap Gates			37.205787 °	37.205787 °
				-120.696838 °	-120.696838 °
DWR ID	DWR_NA0010_50_t_2012_11				
Action/Comments					
Inspector Comments: Item does not exist on this structure.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	12
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Sluice/Slide Gates			37.205787 °	37.205787 °
				-120.696838 °	-120.696838 °
DWR ID	DWR_NA0010_50_t_2012_12				
Action/Comments					
Inspector Comments: No visible damage to slide gates identified. Previously identified rust and corrosion on the gates and bolts was not visible due to the current water level.					

Photo 1 of 1 : ST_2019_NA0010_50_12_20190613_00005.jpg



Looking at corrosion on slide gates on upstream side of structure. (2015)

LM Start	0.00	Rating **	N	Issue No.	13
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Electric Gate Operators			37.205787 °	37.205787 °
				-120.696838 °	-120.696838 °
DWR ID	DWR_NA0010_50_t_2012_13				
Action/Comments					
Inspector Comments: Item does not exist on this structure.					

No Photos

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Owens Creek Overflow Structure		07/30/2019 07/30/2019	Corey Fujitani

LM Start	0.00	Rating **	A	Issue No.	14
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Manual Gate Operators			37.205787 °	37.205787 °
				-120.696838 °	-120.696838 °
DWR ID	DWR_NA0010_50_t_2012_14				
Action/Comments					
Inspector Comments: Manual gates were in good working condition.					

Photo 1 of 2 : ST_2019_NA0010_50_14_20190805_00014.jpg



Typical view of manual gate control. (2019)

LM Start	0.00	Rating **	A	Issue No.	14 (cont)
LM End	0.00	Issue Type +	Ma	Location *	

Photo 2 of 2 : ST_2019_NA0010_50_14_20190613_00006.jpg



View of the manual gate controls. (2018)

LM Start	0.00	Rating **	A	Issue No.	15
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Concrete Surfaces			37.205787 °	37.205787 °
				-120.696838 °	-120.696838 °
DWR ID	DWR_NA0010_50_t_2012_15				
Action/Comments					
Inspector Comments: Small crack was found on headwall, but the structure is not threatened.					

Photo 1 of 3 : ST_2019_NA0010_50_15_20190613_00007.jpg



Small cracking on the headwall. (2018)

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Owens Creek Overflow Structure		07/30/2019 07/30/2019	Corey Fujitani

LM Start	0.00	Rating **	A	Issue No.	15 (cont)	
LM End	0.00	Issue Type +	Ma	Location *		
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude		
				Start		End
Item	Concrete Surfaces			37.205787 °		37.205787 °
				-120.696838 °		-120.696838 °
DWR ID	DWR_NA0010_50_t_2012_15					
Action/Comments						
Inspector Comments: Small crack was found on headwall, but the structure is not threatened.						

Photo 2 of 3 : ST_2019_NA0010_50_15_20190613_00008.jpg



Another view of the cracking on the headwall. (2018)

Photo 3 of 3 : ST_2019_NA0010_50_15_20190613_00009.jpg



Looking at cracks on headwall. (2017)

LM Start	0.00	Rating **	A	Issue No.	15 (cont)
LM End	0.00	Issue Type +	Ma	Location *	

LM Start	0.00	Rating **	A	Issue No.	16
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Concrete Tilting / Settlement			37.205787 °	37.205787 °
				-120.696838 °	-120.696838 °
DWR ID	DWR_NA0010_50_t_2012_16				
Action/Comments					
Inspector Comments: No visible movement.					

No Photos

* Location
LS : Land Side
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Owens Creek Overflow Structure		07/30/2019 07/30/2019	Corey Fujitani

LM Start	0.00	Rating **	A	Issue No.	17
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Concrete Foundations			37.205787 °	37.205787 °
				-120.696838 °	-120.696838 °
DWR ID	DWR_NA0010_50_t_2012_17				
Action/Comments					
Inspector Comments: No visible undermining along the structure.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	18
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Security Fencing			37.205787 °	37.205787 °
				-120.696838 °	-120.696838 °
DWR ID	DWR_NA0010_50_t_2012_18				
Action/Comments					
Inspector Comments: Item does not exist on this structure.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	19
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Closure Structures			37.205787 °	37.205787 °
				-120.696838 °	-120.696838 °
DWR ID	DWR_NA0010_50_t_2012_19				
Action/Comments					
Inspector Comments: Item does not exist on this structure.					

No Photos

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Owens Creek Overflow Structure		07/30/2019 07/30/2019	Corey Fujitani

LM Start	0.00	Rating **	N	Issue No.	20
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start		End	
Item	Trash Rakes	37.205787 °		37.205787 °	
		-120.696838 °		-120.696838 °	
DWR ID	DWR_NA0010_50_t _ 2012_20				
Action/Comments					
Inspector Comments: Item does not exist on this structure.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	21	
LM End	0.00	Issue Type +	Ma	Location *		
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude		
				Start		End
Item	Other Metallic Items			37.205787 °		37.205787 °
				-120.696838 °		-120.696838 °
DWR ID	DWR_NA0010_50_t _ 2012_21					
Action/Comments						
Inspector Comments: No visible corrosion.						

No Photos

LM Start	0.00	Rating **	N	Issue No.	22
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Monolith Joints			37.205787 °	37.205787 °
				-120.696838 °	-120.696838 °
DWR ID	DWR_NA0010_50_t _ 2012_22				
Action/Comments					
Inspector Comments: Item does not exist on this structure.					

No Photos

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Owens Creek Overflow Structure		07/30/2019 07/30/2019	Corey Fujitani

LM Start	0.00	Rating **	A	Issue No.	23
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start		End	
Item	Safety	37.205787 °		37.205787 °	
		-120.696838 °		-120.696838 °	
DWR ID	DWR_NA0010_50_t_2012_23				
Action/Comments					
Inspector Comments: No visible hazards.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	24
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Operation & Maintenance Manual			37.205787 °	37.205787 °
				-120.696838 °	-120.696838 °
DWR ID	DWR_NA0010_50_t_2013_24				
Action/Comments					
Inspector Comments: The O&M manual is on file in the office.					

No Photos

*** Location**
LS : Land Side
WS : Water Side
CR : Crown

**** Rating**
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

Flood Control Project Maintenance
Unit Cover Sheet
2019 Structure Inspection Results

Lower San Joaquin Levee District

Structure
San Joaquin River Bypass Control Structure

Structure Rating	A
Date of Inspection	7/31/2019
DWR Inspector	Corey Fujitani
Accompanied By	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
San Joaquin River Bypass Control Structure		07/31/2019 07/31/2019	Corey Fujitani

LM Start	0.00	Rating **	N	Issue No.	1	
LM End	0.00	Issue Type +	Ma	Location *		
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude		
				Start		End
Item	Photo Documentation			36.773292°		36.773292°
				-120.285206°		-120.285206°
DWR ID	DWR_NA0010_64_t_2017_1					
Action/Comments						
Inspector Comments: Structure appears to be properly maintained.						

Photo 1 of 3 : ST_2019_NA0010_64_1_20190806_00009.jpg



View of upstream side of the structure. (2019)

LM Start	0.00	Rating **	N	Issue No.	1 (cont)
LM End	0.00	Issue Type +	Ma	Location *	

Photo 2 of 3 : ST_2019_NA0010_64_1_20190806_00010.jpg



View of downstream side of the structure. (2019)

LM Start	0.00	Rating **	N	Issue No.	1 (cont)
LM End	0.00	Issue Type +	Ma	Location *	

Photo 3 of 3 : ST_2019_NA0010_64_1_20190806_00011.jpg



View of top of the structure from right bank. (2019)

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
San Joaquin River Bypass Control Structure		07/31/2019 07/31/2019	Corey Fujitani

LM Start	0.00	Rating **	M	Issue No.	2
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start		End	
Item	Vegetation & Obstructions	36.773292 °		36.773292 °	
		-120.285206 °		-120.285206 °	
DWR ID	DWR_NA0010_64_t_2017_2				
Action/Comments					
Inspector Comments: Vegetation debris located on the inlet side of the structure at the trash racks needs to be removed.					

Photo 1 of 1 : ST_2019_NA0010_64_2_20190806_00012.jpg



Debris caught on trash racks of the structure. (2019)

LM Start	0.00	Rating **	M	Issue No.	3
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start		End	
Item	Shoaling / Sedimentation	36.773292 °		36.773292 °	
		-120.285206 °		-120.285206 °	
DWR ID	DWR_NA0010_64_t_2017_3				
Action/Comments					
Inspector Comments: There is shoaling just upstream of the structure.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	4
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start		End	
Item	Erosion / Bank Caving	36.773292 °		36.773292 °	
		-120.285206 °		-120.285206 °	
DWR ID	DWR_NA0010_64_t_2017_4				
Action/Comments					
Inspector Comments: No erosion or bank caving identified.					

No Photos

* Location LS : Land Side WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain			

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
San Joaquin River Bypass Control Structure		07/31/2019 07/31/2019	Corey Fujitani

LM Start	0.00	Rating **	A	Issue No.	5
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start		End	
Item	Revetments	36.773292 °		36.773292 °	
		-120.285206 °		-120.285206 °	
DWR ID	DWR_NA0010_64_t_2017_5				
Action/Comments					
Inspector Comments: Existing riprap appears to be in good condition.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	6	
LM End	0.00	Issue Type +	Ma	Location *		
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude		
				Start		End
Item	Encroachments			36.773292 °		36.773292 °
				-120.285206 °		-120.285206 °
DWR ID	DWR_NA0010_64_t_2017_6					
Action/Comments						
Inspector Comments: No encroachments visible near the structure.						

No Photos

LM Start	0.00	Rating **	A	Issue No.	7
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Culverts: Inlets / Outlets			36.773292 °	36.773292 °
				-120.285206 °	-120.285206 °
DWR ID	DWR_NA0010_64_t_2017_7				
Action/Comments					
Inspector Comments: Inlets and outlets are free from obstructions.					

No Photos

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
San Joaquin River Bypass Control Structure		07/31/2019 07/31/2019	Corey Fujitani

LM Start	0.00	Rating **	A	Issue No.	8
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start		End	
Item	Culverts: Breaks / Holes / Cracks	36.773292 °		36.773292 °	
		-120.285206 °		-120.285206 °	
DWR ID	DWR_NA0010_64_t_2017_8				
Action/Comments					
Inspector Comments: No visible signs of damage in the structure.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	9
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start	End		
Item	Metal Pipes	36.773292 °		36.773292 °	
		-120.285206 °		-120.285206 °	
DWR ID	DWR_NA0010_64_t_2017_9				
Action/Comments					
Inspector Comments: No metal pipes on this structure.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	10
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start		End	
Item	Trash Racks	36.773292 °		36.773292 °	
		-120.285206 °		-120.285206 °	
DWR ID	DWR_NA0010_64_t_2017_10				
Action/Comments					
Inspector Comments: Trash racks appear to be in good condition.					

Photo 1 of 1 : ST_2019_NA0010_64_10_20190806_00013.jpg



View of trash racks. (2019)

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
San Joaquin River Bypass Control Structure		07/31/2019 07/31/2019	Corey Fujitani

LM Start	0.00	Rating **	N	Issue No.	11
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start		End	
Item	Flap Gates	36.773292 °		36.773292 °	
		-120.285206 °		-120.285206 °	
DWR ID	DWR_NA0010_64_t_2017_11				
Action/Comments					
Inspector Comments: This structure does not have flap gates.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	12
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start		End	
Item	Sluice/Slide Gates	36.773292 °		36.773292 °	
		-120.285206 °		-120.285206 °	
DWR ID	DWR_NA0010_64_t_2017_12				
Action/Comments					
Inspector Comments: Gates are in good working condition.					

Photo 1 of 2 : ST_2019_NA0010_64_12_20190806_00014.jpg



Typical view of gates. (2019)

Photo 2 of 2 : ST_2019_NA0010_64_12_20190613_00006.jpg



View of the gates. (2018)

LM Start	0.00	Rating **	A	Issue No.	12 (cont)
LM End	0.00	Issue Type +	Ma	Location *	

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
San Joaquin River Bypass Control Structure		07/31/2019 07/31/2019	Corey Fujitani

LM Start	0.00	Rating **	A	Issue No.	13
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Electric Gate Operators			36.773292 °	36.773292 °
				-120.285206 °	-120.285206 °
DWR ID	DWR_NA0010_64_t_2017_13				
Action/Comments					
Inspector Comments: Electric gate operators appear to be in good working condition.					

Photo 1 of 2 : ST_2019_NA0010_64_13_20190806_00015.jpg



Representative view of electric gate controls. (2019)

LM Start	0.00	Rating **	A	Issue No.	13 (cont)
LM End	0.00	Issue Type +	Ma	Location *	

Photo 2 of 2 : ST_2019_NA0010_64_13_20190613_00008.jpg



View of electric gate operators. (2018)

LM Start	0.00	Rating **	N	Issue No.	14
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Manual Gate Operators			36.773292 °	36.773292 °
				-120.285206 °	-120.285206 °
DWR ID	DWR_NA0010_64_t_2017_14				
Action/Comments					
Inspector Comments: Manual gate operators do not exist on this structure.					

No Photos

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
San Joaquin River Bypass Control Structure		07/31/2019 07/31/2019	Corey Fujitani

LM Start	0.00	Rating **	A	Issue No.	15
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start		End	
Item	Concrete Surfaces	36.773292 °		36.773292 °	
		-120.285206 °		-120.285206 °	
DWR ID	DWR_NA0010_64_t_2017_15				
Action/Comments					
Inspector Comments: No visible signs of damage to concrete surfaces.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	16
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Concrete Tilting / Settlement			36.773292 °	36.773292 °
				-120.285206 °	-120.285206 °
DWR ID	DWR_NA0010_64_t_2017_16				
Action/Comments					
Inspector Comments: No visible signs of tilting/settlement of the structure.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	17
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Concrete Foundations			36.773292 °	36.773292 °
				-120.285206 °	-120.285206 °
DWR ID	DWR_NA0010_64_t_2017_17				
Action/Comments					
Inspector Comments: No visible signs of undermining at the structure.					

No Photos

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
San Joaquin River Bypass Control Structure		07/31/2019 07/31/2019	Corey Fujitani

LM Start	0.00	Rating **	A	Issue No.	18
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start		End	
Item	Security Fencing	36.773292 °		36.773292 °	
		-120.285206 °		-120.285206 °	
DWR ID	DWR_NA0010_64_t_2017_18				
Action/Comments					
Inspector Comments: Safety and security fencing is in good condition and adequate for structure.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	19
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Closure Structures			36.773292 °	36.773292 °
				-120.285206 °	-120.285206 °
DWR ID	DWR_NA0010_64_t_2017_19				
Action/Comments					
Inspector Comments: There are no closure structures at this site.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	20
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Trash Rakes			36.773292 °	36.773292 °
				-120.285206 °	-120.285206 °
DWR ID	DWR_NA0010_64_t_2017_20				
Action/Comments					
Inspector Comments: This structure does not have trash rakes.					

No Photos

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
San Joaquin River Bypass Control Structure		07/31/2019 07/31/2019	Corey Fujitani

LM Start	0.00	Rating **	A	Issue No.	21
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start		End	
Item	Other Metallic Items	36.773292 °		36.773292 °	
		-120.285206 °		-120.285206 °	
DWR ID	DWR_NA0010_64_t_2017_21				
Action/Comments					
Inspector Comments: No visible corrosion present.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	22
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Monolith Joints			36.773292 °	36.773292 °
				-120.285206 °	-120.285206 °
DWR ID	DWR_NA0010_64_t_2017_22				
Action/Comments					
Inspector Comments: All joints appear to be in good condition.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	23
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Safety			36.773292 °	36.773292 °
				-120.285206 °	-120.285206 °
DWR ID	DWR_NA0010_64_t_2017_23				
Action/Comments					
Inspector Comments: No visible signs of safety issues identified.					

No Photos

* Location LS : Land Side WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain			

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
San Joaquin River Bypass Control Structure		07/31/2019 07/31/2019	Corey Fujitani

LM Start	0.00	Rating **	A	Issue No.	24
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start		End	
Item	Operation & Maintenance Manual	36.773292 °		36.773292 °	
		-120.285206 °		-120.285206 °	
DWR ID	DWR_NA0010_64_t_2017_24				
Action/Comments					
Inspector Comments: The manual is on file in the office.					

No Photos

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

Flood Control Project Maintenance
Unit Cover Sheet
2019 Structure Inspection Results

Lower San Joaquin Levee District

Structure
San Joaquin River Structure

Structure Rating	M
Date of Inspection	8/1/2019
DWR Inspector	Corey Fujitani
Accompanied By	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
San Joaquin River Structure		08/01/2019 08/01/2019	Corey Fujitani

LM Start	0.00	Rating **	N	Issue No.	1
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Photo Documentation			37.112360 °	37.112360 °
				-120.589598 °	-120.589598 °
DWR ID	DWR_NA0010_66_t_2017_1				
Action/Comments					

Photo 1 of 3 : ST_2019_NA0010_66_1_20190808_00017.jpg



View of upstream side of structure. (2019)

LM Start	0.00	Rating **	N	Issue No.	1 (cont)
LM End	0.00	Issue Type +	Ma	Location *	

Photo 2 of 3 : ST_2019_NA0010_66_1_20190808_00020.jpg



View of downstream side of structure. (2019)

LM Start	0.00	Rating **	N	Issue No.	1 (cont)
LM End	0.00	Issue Type +	Ma	Location *	

Photo 3 of 3 : ST_2019_NA0010_66_1_20190613_00003.jpg



Looking northwest at the downstream side. (2017)

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
San Joaquin River Structure		08/01/2019 08/01/2019	Corey Fujitani

LM Start	0.00	Rating **	M	Issue No.	2
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start		End	
Item	Vegetation & Obstructions	37.112360 °		37.112360 °	
		-120.589598 °		-120.589598 °	
DWR ID	DWR_NA0010_66_t_2017_2				
Action/Comments					
Inspector Comments: Vegetation growing at the downstream side of structure.					

Photo 1 of 1 : ST_2019_NA0010_66_2_20190808_00022.jpg



Trees growing over the downstream side of the structure. (2019)

LM Start	0.00	Rating **	U	Issue No.	3
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start		End	
Item	Shoaling / Sedimentation	37.112360 °		37.112360 °	
		-120.589598 °		-120.589598 °	
DWR ID	DWR_NA0010_66_t_2017_3				
Action/Comments					
Inspector Comments: Sedimentation blocking inlet and function of slide gates.					

Photo 1 of 1 : ST_2019_NA0010_66_3_20190808_00024.jpg



Inlet gates buried under sedimentation. (2019)

LM Start	0.00	Rating **	A	Issue No.	4
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			37.112360 °	37.112360 °
				-120.589598 °	-120.589598 °
DWR ID	DWR_NA0010_66_t_2017_4				
Action/Comments					
Inspector Comments: No visible erosion or bank caving identified at the structure.					

No Photos

* Location
LS : Land Side
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
San Joaquin River Structure		08/01/2019 08/01/2019	Corey Fujitani

LM Start	0.00	Rating **	A	Issue No.	5
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Revetments			37.112360 °	37.112360 °
				-120.589598 °	-120.589598 °
DWR ID	DWR_NA0010_66_t_2017_5				
Action/Comments					
Inspector Comments: Unable to determine if existing revetment is adequate due to heavy vegetation (addressed in issue 2) and sedimentation (addressed in issue 3).					

No Photos

LM Start	0.00	Rating **	A	Issue No.	6
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.112360 °	37.112360 °
				-120.589598 °	-120.589598 °
DWR ID	DWR_NA0010_66_t_2017_6				
Action/Comments					
Inspector Comments: No encroachments identified at the structure.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	7
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Culverts: Inlets / Outlets			37.112360 °	37.112360 °
				-120.589598 °	-120.589598 °
DWR ID	DWR_NA0010_66_t_2017_7				
Action/Comments					
Inspector Comments: Culverts are in good condition but there is sedimentation built up above the inlets/slide gates see issue 3.					

Photo 1 of 2 : ST_2019_NA0010_66_7_20190808_00027.jpg



View of culvert outlet. (2019)

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
San Joaquin River Structure		08/01/2019 08/01/2019	Corey Fujitani

LM Start	0.00	Rating **	A	Issue No.	7 (cont)	
LM End	0.00	Issue Type +	Ma	Location *		
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude		
				Start	End	
Item	Culverts: Inlets / Outlets			37.112360 °	37.112360 °	
				-120.589598 °	-120.589598 °	
DWR ID	DWR_NA0010_66_t_2017_7					
Action/Comments						
Inspector Comments: Culverts are in good condition but there is sedimentation built up above the inlets/slide gates see issue 3.						

Photo 2 of 2 : ST_2019_NA0010_66_7_20190808_00026.jpg



Sedimentation built up above slide gate. (2019)

LM Start	0.00	Rating **	A	Issue No.	8
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Culverts: Breaks / Holes / Cracks			37.112360 °	37.112360 °
				-120.589598 °	-120.589598 °
DWR ID	DWR_NA0010_66_t_2017_8				
Action/Comments					
Inspector Comments: No visible issus identified for the culverts.					

Photo 1 of 1 : ST_2019_NA0010_66_8_20190808_00025.jpg



View of culvert outlets. (2019)

LM Start	0.00	Rating **	N	Issue No.	9
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Metal Pipes			37.112360 °	37.112360 °
				-120.589598 °	-120.589598 °
DWR ID	DWR_NA0010_66_t_2017_9				
Action/Comments					
Inspector Comments: Item does not exist on this structure.					

No Photos

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
San Joaquin River Structure		08/01/2019 08/01/2019	Corey Fujitani

LM Start	0.00	Rating **	N	Issue No.	10
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start		End	
Item	Trash Racks	37.112360 °		37.112360 °	
		-120.589598 °		-120.589598 °	
DWR ID	DWR_NA0010_66_t_2017_10				
Action/Comments					
Inspector Comments: Item does not exist on this structure.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	11
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start		End	
Item	Flap Gates	37.112360 °		37.112360 °	
		-120.589598 °		-120.589598 °	
DWR ID	DWR_NA0010_66_t_2017_11				
Action/Comments					
Inspector Comments: Item does not exist on this structure.					

No Photos

LM Start	0.00	Rating **	M	Issue No.	12
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start		End	
Item	Sluice/Slide Gates	37.112360 °		37.112360 °	
		-120.589598 °		-120.589598 °	
DWR ID	DWR_NA0010_66_t_2017_12				
Action/Comments					
Inspector Comments: Sedimentation on the inlet side of the structure impacts the function of slide gates.					

Photo 1 of 2 : ST_2019_NA0010_66_12_20190808_00028.jpg



View of slide gate with sedimentation. (2019)

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
San Joaquin River Structure		08/01/2019 08/01/2019	Corey Fujitani

LM Start	0.00	Rating **	M	Issue No.	12 (cont)	
LM End	0.00	Issue Type +	Ma	Location *		
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude		
				Start		End
Item	Sluice/Slide Gates			37.112360 °		37.112360 °
				-120.589598 °		-120.589598 °
DWR ID	DWR_NA0010_66_t_2017_12					
Action/Comments						
Inspector Comments: Sedimentation on the inlet side of the structure impacts the function of slide gates.						

Photo 2 of 2 : ST_2019_NA0010_66_12_20190613_00014.jpg



View of slide gate with sedimentation. (2017)

LM Start	0.00	Rating **	N	Issue No.	13
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Electric Gate Operators			37.112360 °	37.112360 °
				-120.589598 °	-120.589598 °
DWR ID	DWR_NA0010_66_t_2017_13				
Action/Comments					
Inspector Comments: Item does not exist on this structure.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	14
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Manual Gate Operators			37.112360 °	37.112360 °
				-120.589598 °	-120.589598 °
DWR ID	DWR_NA0010_66_t_2017_14				
Action/Comments					
Inspector Comments: All manual gates operators appear to be in proper working condition. District caps off manual operation stem to secure gates.					

Photo 1 of 1 : ST_2019_NA0010_66_14_20190613_00015.jpg



Typical view of the manual gate operators. (2018)

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
San Joaquin River Structure		08/01/2019 08/01/2019	Corey Fujitani

LM Start	0.00	Rating **	A	Issue No.	15
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Concrete Surfaces			37.112360 °	37.112360 °
				-120.589598 °	-120.589598 °
DWR ID	DWR_NA0010_66_t_2017_15				
Action/Comments					
Inspector Comments: Damage to the left inlet joint resulting in exposed rebar.					

Photo 1 of 1 : ST_2019_NA0010_66_15_20190613_00016.jpg



View of cracking at the joint on the left inlet side. (2018)

LM Start	0.00	Rating **	A	Issue No.	16
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Concrete Tilting / Settlement			37.112360 °	37.112360 °
				-120.589598 °	-120.589598 °
DWR ID	DWR_NA0010_66_t_2017_16				
Action/Comments					
Inspector Comments: No movement of the structure identified.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	17
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Concrete Foundations			37.112360 °	37.112360 °
				-120.589598 °	-120.589598 °
DWR ID	DWR_NA0010_66_t_2017_17				
Action/Comments					
Inspector Comments: No visible erosion or undermining identified.					

No Photos

* Location LS : Land Side WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
San Joaquin River Structure		08/01/2019 08/01/2019	Corey Fujitani

LM Start	0.00	Rating **	N	Issue No.	18
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start		End	
Item	Security Fencing	37.112360 °		37.112360 °	
		-120.589598 °		-120.589598 °	
DWR ID	DWR_NA0010_66_t _ 2017_18				
Action/Comments					
Inspector Comments: Item does not exist on this structure.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	19
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Closure Structures			37.112360 °	37.112360 °
				-120.589598 °	-120.589598 °
DWR ID	DWR_NA0010_66_t _ 2017_19				
Action/Comments					
Inspector Comments: Item does not exist on this structure.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	20
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Trash Rakes			37.112360 °	37.112360 °
				-120.589598 °	-120.589598 °
DWR ID	DWR_NA0010_66_t _ 2017_20				
Action/Comments					
Inspector Comments: Item does not exist on this structure.					

No Photos

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
San Joaquin River Structure		08/01/2019 08/01/2019	Corey Fujitani

LM Start	0.00	Rating **	A	Issue No.	21
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start		End	
Item	Other Metallic Items	37.112360 °		37.112360 °	
		-120.589598 °		-120.589598 °	
DWR ID	DWR_NA0010_66_t_2017_21				
Action/Comments					
Inspector Comments: No visible corrosion identified.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	22
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Monolith Joints			37.112360 °	37.112360 °
				-120.589598 °	-120.589598 °
DWR ID	DWR_NA0010_66_t_2017_22				
Action/Comments					
Inspector Comments: No visible issues identified for the joints.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	23
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Safety			37.112360 °	37.112360 °
				-120.589598 °	-120.589598 °
DWR ID	DWR_NA0010_66_t_2017_23				
Action/Comments					
Inspector Comments: No safety issues identified.					

No Photos

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
San Joaquin River Structure		08/01/2019 08/01/2019	Corey Fujitani

LM Start	0.00	Rating **	A	Issue No.	24
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start		End	
Item	Operation & Maintenance Manual	37.112360 °		37.112360 °	
		-120.589598 °		-120.589598 °	
DWR ID	DWR_NA0010_66_t_2017_24				
Action/Comments					
Inspector Comments: The manual is on file in the office.					

No Photos

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Flood Control Project Maintenance
Unit Cover Sheet
2019 Structure Inspection Results

Lower San Joaquin Levee District

Structure
Sand Slough Structure

Structure Rating	A
Date of Inspection	8/1/2019
DWR Inspector	Corey Fujitani
Accompanied By	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Sand Slough Structure		08/01/2019 08/01/2019	Corey Fujitani

LM Start	0.00	Rating **	N	Issue No.	1
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Photo Documentation			37.112313 °	37.112313 °
				-120.588458 °	-120.588458 °
DWR ID	DWR_NA0010_67_t_2017_1				
Action/Comments					

Photo 1 of 2 : ST_2019_NA0010_67_1_20190808_00008.jpg



View across structure from right bank. (2019)

LM Start	0.00	Rating **	N	Issue No.	1 (cont)
LM End	0.00	Issue Type +	Ma	Location *	

Photo 2 of 2 : ST_2019_NA0010_67_1_20190613_00001.jpg



Overview of structure looking upstream. (2018)

LM Start	0.00	Rating **	A	Issue No.	2
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Vegetation & Obstructions			37.112313 °	37.112313 °
				-120.588458 °	-120.588458 °
DWR ID	DWR_NA0010_67_t_2017_2				
Action/Comments					
Inspector Comments: No visible vegetation or obstructions identified.					

No Photos

* Location
LS : Land Side
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Sand Slough Structure		08/01/2019 08/01/2019	Corey Fujitani

LM Start	0.00	Rating **	A	Issue No.	3
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start		End	
Item	Shoaling / Sedimentation	37.112313 °		37.112313 °	
		-120.588458 °		-120.588458 °	
DWR ID	DWR_NA0010_67_t_2017_3				
Action/Comments					
Inspector Comments: No visible sedimentation or shoaling at the structure.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	4
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			37.112313 °	37.112313 °
				-120.588458 °	-120.588458 °
DWR ID	DWR_NA0010_67_t_2017_4				
Action/Comments					
Inspector Comments: No visible erosion identified at the structure.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	5
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Revetments			37.112313 °	37.112313 °
				-120.588458 °	-120.588458 °
DWR ID	DWR_NA0010_67_t_2017_5				
Action/Comments					
Inspector Comments: Existing revetment appears to be properly maintained.					

No Photos

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Sand Slough Structure		08/01/2019 08/01/2019	Corey Fujitani

LM Start	0.00	Rating **	A	Issue No.	6	
LM End	0.00	Issue Type +	Ma	Location *		
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude		
				Start		End
Item	Encroachments			37.112313 °		37.112313 °
				-120.588458 °		-120.588458 °
DWR ID	DWR_NA0010_67_t_2017_6					
Action/Comments						
Inspector Comments: No visible encroachments identified.						

No Photos

LM Start	0.00	Rating **	N	Issue No.	7
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Culverts: Inlets / Outlets			37.112313 °	37.112313 °
				-120.588458 °	-120.588458 °
DWR ID	DWR_NA0010_67_t_2017_7				
Action/Comments					
Inspector Comments: Item does not exist on this structure.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	8	
LM End	0.00	Issue Type +	Ma	Location *		
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude		
				Start		End
Item	Culverts: Breaks / Holes / Cracks			37.112313 °		37.112313 °
				-120.588458 °		-120.588458 °
DWR ID	DWR_NA0010_67_t_2017_8					
Action/Comments						
Inspector Comments: Item does not exist on this structure.						

No Photos

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Sand Slough Structure		08/01/2019 08/01/2019	Corey Fujitani

LM Start	0.00	Rating **	N	Issue No.	9	
LM End	0.00	Issue Type +	Ma	Location *		
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude		
				Start		End
Item	Metal Pipes			37.112313 °		37.112313 °
				-120.588458 °		-120.588458 °
DWR ID	DWR_NA0010_67_t_2017_9					
Action/Comments						
Inspector Comments: Item does not exist on this structure.						

No Photos

LM Start	0.00	Rating **	N	Issue No.	10
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Trash Racks			37.112313 °	37.112313 °
				-120.588458 °	-120.588458 °
DWR ID	DWR_NA0010_67_t_2017_10				
Action/Comments					
Inspector Comments: Item does not exist on this structure.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	11	
LM End	0.00	Issue Type +	Ma	Location *		
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude		
				Start		End
Item	Flap Gates			37.112313 °		37.112313 °
				-120.588458 °		-120.588458 °
DWR ID	DWR_NA0010_67_t_2017_11					
Action/Comments						
Inspector Comments: Item does not exist on this structure.						

No Photos

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Sand Slough Structure		08/01/2019 08/01/2019	Corey Fujitani

LM Start	0.00	Rating **	N	Issue No.	12
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start		End	
Item	Sluice/Slide Gates	37.112313 °		37.112313 °	
		-120.588458 °		-120.588458 °	
DWR ID	DWR_NA0010_67_t_2017_12				
Action/Comments					
Inspector Comments: Item does not exist on this structure.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	13
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Electric Gate Operators			37.112313 °	37.112313 °
				-120.588458 °	-120.588458 °
DWR ID	DWR_NA0010_67_t_2017_13				
Action/Comments					
Inspector Comments: Item does not exist on this structure.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	14
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Manual Gate Operators			37.112313 °	37.112313 °
				-120.588458 °	-120.588458 °
DWR ID	DWR_NA0010_67_t_2017_14				
Action/Comments					
Inspector Comments: Item does not exist on this structure.					

No Photos

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Sand Slough Structure		08/01/2019 08/01/2019	Corey Fujitani

LM Start	0.00	Rating **	M	Issue No.	15
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Concrete Surfaces			37.112313 °	37.112313 °
				-120.588458 °	-120.588458 °
DWR ID	DWR_NA0010_67_t_2017_15				
Action/Comments					
Inspector Comments: Concrete suraces on both outlet walls are damaged with exposed rebar. Damage appears to be from gunshots and should be repaired before further structural damage occurs and exposed rebar poses a safety hazard.					

Photo 1 of 3 : ST_2019_NA0010_67_15_20190808_00009.jpg



Damage to left wall of structure. (2019)

LM Start	0.00	Rating **	M	Issue No.	15 (cont)
LM End	0.00	Issue Type +	Ma	Location *	

Photo 2 of 3 : ST_2019_NA0010_67_15_20190613_00007.jpg



Exposed rebar along Parshall flume wall. (2018)

LM Start	0.00	Rating **	M	Issue No.	15 (cont)
LM End	0.00	Issue Type +	Ma	Location *	

Photo 3 of 3 : ST_2019_NA0010_67_15_20190613_00003.jpg



Looking east at the left wall of the structure with exposed rebar. (2017)

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Sand Slough Structure		08/01/2019 08/01/2019	Corey Fujitani

LM Start	0.00	Rating **	A	Issue No.	16
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Concrete Tilting / Settlement			37.112313 °	37.112313 °
				-120.588458 °	-120.588458 °
DWR ID	DWR_NA0010_67_t_2017_16				
Action/Comments					
Inspector Comments: No visible settlement or tilting.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	17
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Concrete Foundations			37.112313 °	37.112313 °
				-120.588458 °	-120.588458 °
DWR ID	DWR_NA0010_67_t_2017_17				
Action/Comments					
Inspector Comments: No visible erosion near foundation. Unable to view full area due to water level.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	18
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Security Fencing			37.112313 °	37.112313 °
				-120.588458 °	-120.588458 °
DWR ID	DWR_NA0010_67_t_2017_18				
Action/Comments					
Inspector Comments: Item does not exist on this structure.					

No Photos

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Sand Slough Structure		08/01/2019 08/01/2019	Corey Fujitani

LM Start	0.00	Rating **	N	Issue No.	19
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start		End	
Item	Closure Structures	37.112313 °		37.112313 °	
		-120.588458 °		-120.588458 °	
DWR ID	DWR_NA0010_67_t _ 2017_19				
Action/Comments					
Inspector Comments: Item does not exist on this structure.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	20
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Trash Rakes			37.112313 °	37.112313 °
				-120.588458 °	-120.588458 °
DWR ID	DWR_NA0010_67_t _ 2017_20				
Action/Comments					
Inspector Comments: Item does not exist on this structure.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	21	
LM End	0.00	Issue Type +	Ma	Location *		
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude		
				Start		End
Item	Other Metallic Items			37.112313 °		37.112313 °
				-120.588458 °		-120.588458 °
DWR ID	DWR_NA0010_67_t _ 2017_21					
Action/Comments						
Inspector Comments: Item does not exist on this structure.						

No Photos

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Sand Slough Structure		08/01/2019 08/01/2019	Corey Fujitani

LM Start	0.00	Rating **	N	Issue No.	22
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start		End	
Item	Monolith Joints	37.112313 °		37.112313 °	
		-120.588458 °		-120.588458 °	
DWR ID	DWR_NA0010_67_t_2017_22				
Action/Comments					
Inspector Comments: Item does not exist on this structure.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	23
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start		End	
Item	Safety	37.112313 °		37.112313 °	
		-120.588458 °		-120.588458 °	
DWR ID	DWR_NA0010_67_t_2017_23				
Action/Comments					

No Photos

LM Start	0.00	Rating **	A	Issue No.	24
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Operation & Maintenance Manual			37.112313 °	37.112313 °
				-120.588458 °	-120.588458 °
DWR ID	DWR_NA0010_67_t_2017_24				
Action/Comments					
Inspector Comments: The manual is on file in the office.					

No Photos

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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